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MX SITING INVESTIGATION. WATER RESOURCES PROGRAM. TECHNICAL SUM--ETC(U)
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E-TR-52-II

MX SITING INVESTIGATION
WATER RESOURCES PROGRAM

TECHNICAL SUMMARY REPORT

VOLUME IIA

Prepared for:

U.S. Department of the Air Force
Ballistic Missile Office
Norton Air Force Base, California 92409

Prepared by:

Erte[illegible]ern, Inc.
3777 Lon[illegible]ch Boulevard
Long Beach, Ca[illegible]fornia 90807

30 November 1981

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number):

Results of hydrologic studies in 36 proposed MX deployment valleys within the Nevada-Utah siting area and the proposed Main and Auxiliary Operating Base sites in Coyote Spring Valley, Nevada, and Escalante Desert, Utah, indicate that ground water is available for construction and operation of the MX project. Most of the valleys within the siting area [illegible]

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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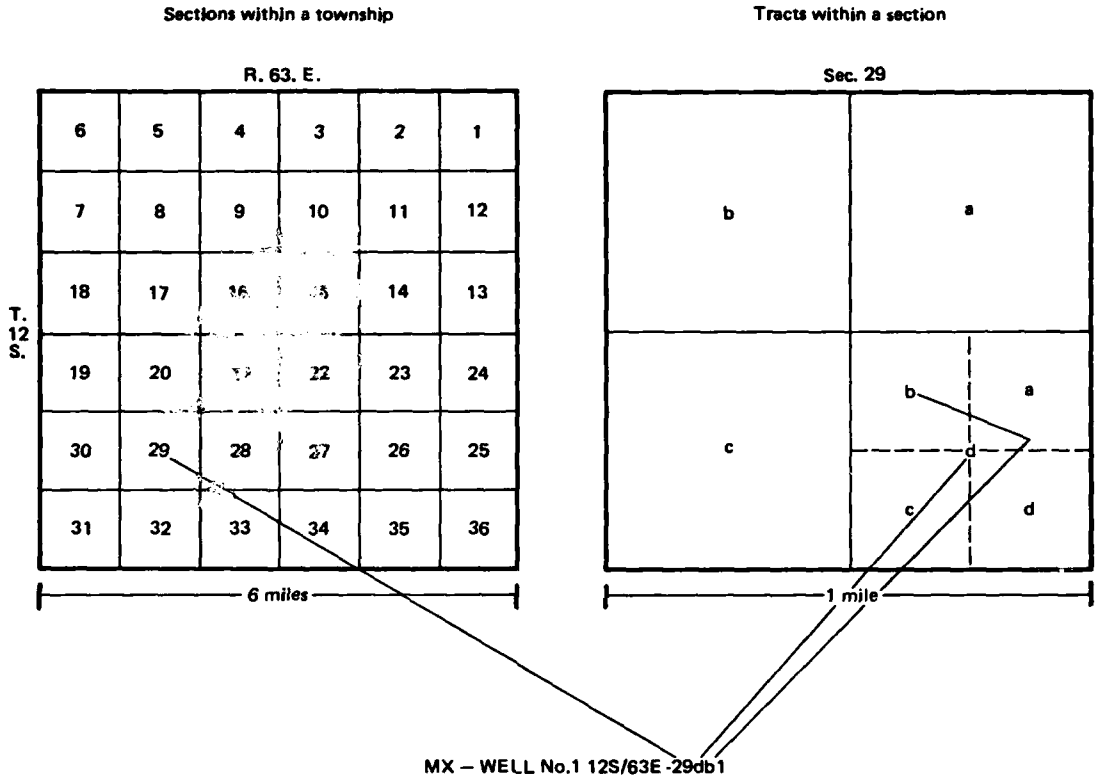
APPENDIX A

WELL AND SPRING NUMBERING SYSTEM

WELL AND SPRING NUMBERING SYSTEM-NEVADA

The numbering system for wells and springs in this report is based on the rectangular subdivision of the public lands referenced to the Mount Diablo baseline and meridian. This location number consists of three units: the first is the township south of the baseline; the second unit, separated from the first by a slanted line, is the range east of the meridian; the third unit, separated from the second by a dash, designates the section number. The section number is followed by letters that indicate the quarter and quarter-quarter section. The letters a, b, c, and d designate, respectively, the northeast, northwest, southwest, and southeast quarters. The letters may be followed by a number which denotes the number of the well drilled in a particular quarter-quarter section. For example well 12S/63E-29db1 is the first well recorded in the NW1/4, SE1/4 Sec. 29, T12S, R63E, Mount Diablo baseline and meridian. The numbering system is illustrated in Figure A1-1.



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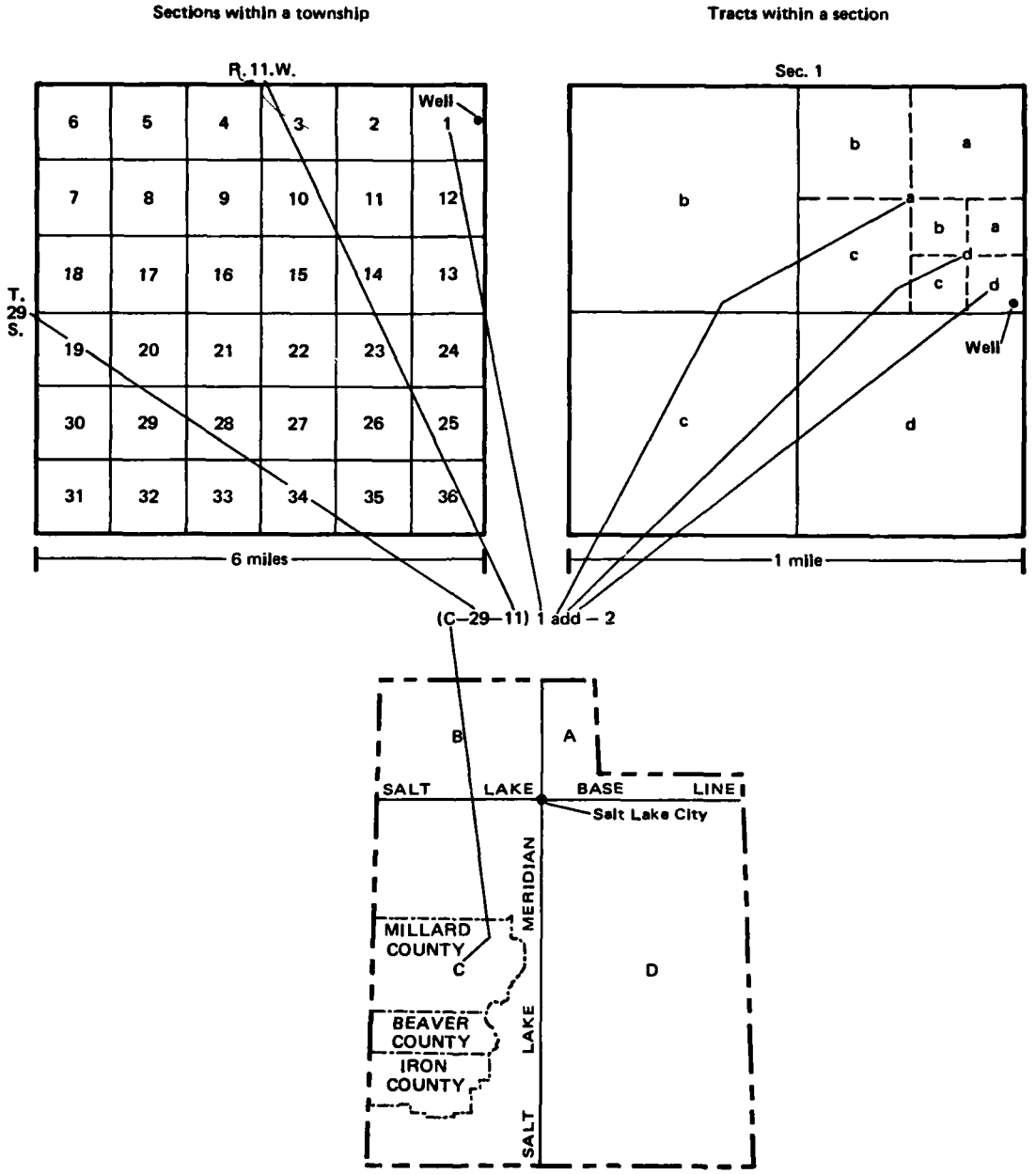
WELL AND SPRING NUMBERING SYSTEM USED IN NEVADA

30 NOV 81

FIGUREA1-1

WELL AND SPRING NUMBERING SYSTEM-UTAH

The system of numbering wells and springs in Utah is based on the cadastral land-survey system of the United States Government. The number, in addition to designating the well or spring, describes its position on the land net. By the land-survey system, the state is divided into four quadrants by the Salt Lake baseline and meridian, and these quadrants are designated by the uppercase letters A, B, C, and D indicating the northeast, northwest, southwest, and southeast quadrants, respectively. Numbers designating the township and range (in that order) follow the quadrant letter, and all three are enclosed in parentheses. The number after the parentheses indicates the section and is followed by three letters indicating the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section. Figure A1-2 is a graphical illustration of this system. Although the basic land unit, the section, is theoretically a 1 mile (2 km) square, many sections are irregular. Such sections are subdivided into 10-acre (4-ha) tracts, generally beginning at the southeast corner, and the surplus or shortage is taken up in the tracts along the north and west sides of the section. The letters a, b, c, and d indicate, respectively, the northeast, northwest, southwest, and southeast quarters of each subdivision. The number after the letters is the serial number of the well or spring within the 10-acre (4-ha) tract.



Source: Mower and Cordova, 1974

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DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX

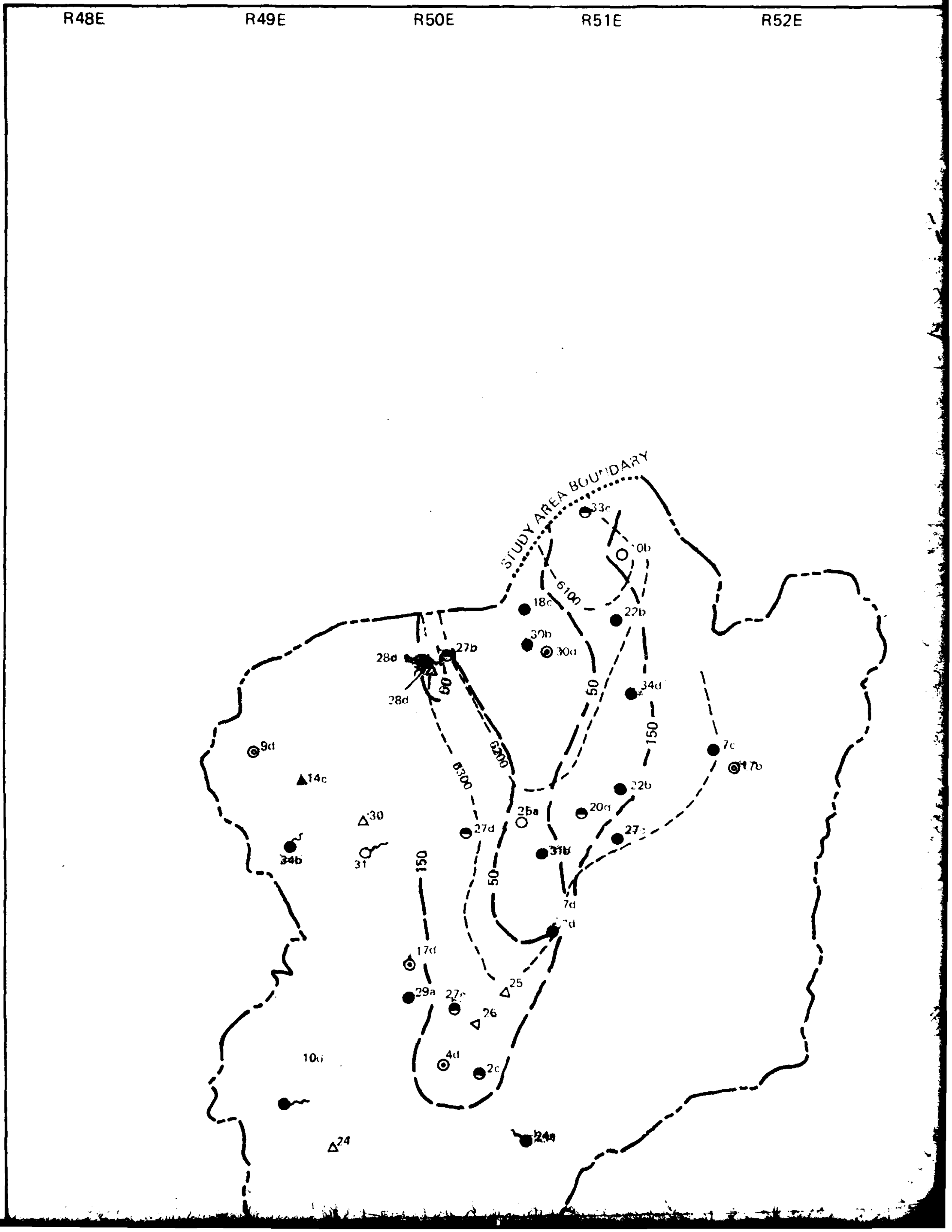
WELL AND SPRING NUMBERING SYSTEM USED IN UTAH

30 NOV 81

FIGURE A1-2

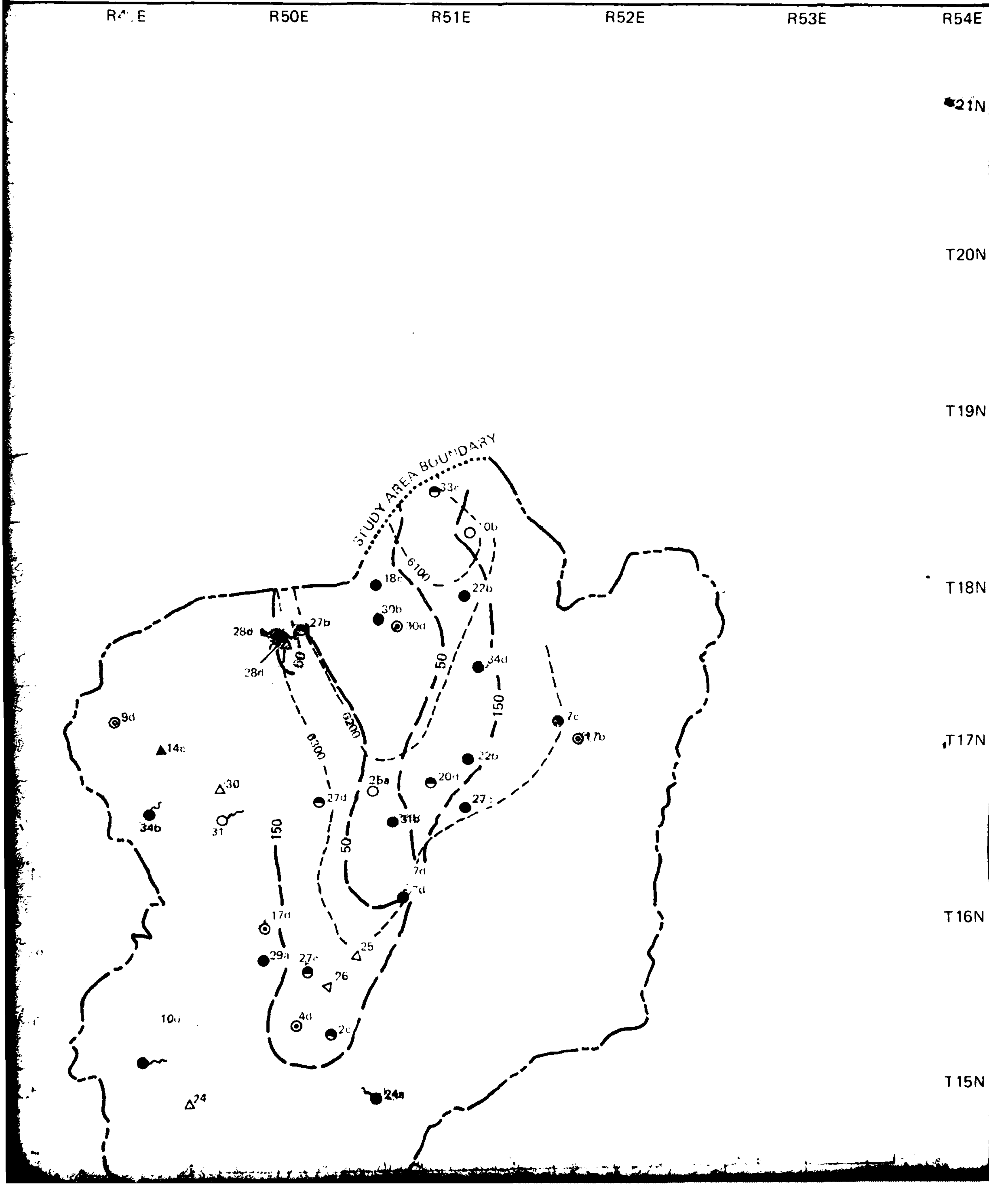
APPENDIX B1

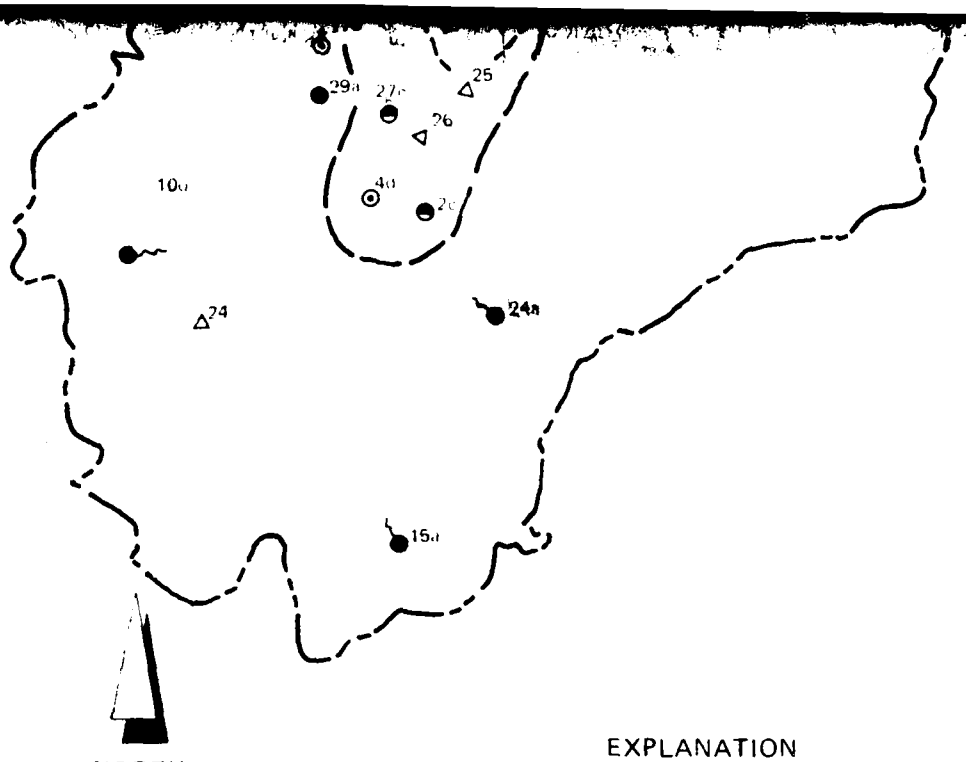
POTENTIOMETRIC LEVEL MAPS



R48E
R49E
R50E
R51E
R52E
STUDY AREA BOUNDARY
6100
6300
50
150
33c
18c
22b
30b
30d
27b
28d
34d
9d
14c
7c
17b
20d
27d
30
31
34b
31b
17d
29a
25
26
4d
2c
10d
24

2


R50E
R51E
R52E
R53E
R54E
T21N
T20N
T19N
T18N
T17N
T16N
T15N
STUDY AREA BOUNDARY
6100
6200
6300
50
150
33c
10b
18c
22b
30b
30d
27b
28d
34d
7c
17b
9d
14c
22b
20d
25a
27d
30
31
34b
31b
7d
17d
25
29a
27c
26
10d
4d
2c
24a
24
E TH 52II



NORTH

SCALE 1:250,000

0 5 10

STATUTE MILES

0 5 10

KILOMETERS

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- MEASURED BY Ertec
- OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- MEASURED BY Ertec
- OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- MEASURED BY Ertec
- OTHER DATA SOURCES

SPRINGS

- MEASURED BY Ertec
- OTHER DATA SOURCES

- AQUIFER TEST
- Ertec VERIFICATION BORING
- Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D

NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND TIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH DEPTH TO WATER CONTOURS SHOWN.

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POTENTIOMETRIC LEVELS
ANTELOPE VALLEY, NEVADA

30 NOV 81

FIGURE 81.1

3

T15N

T14N

T13N

T12N

T11N

T10N

T9N

NORTH

SCALE 1:250,000

5 0 10

STATUTE MILES

5 0 10

KILOMETERS

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

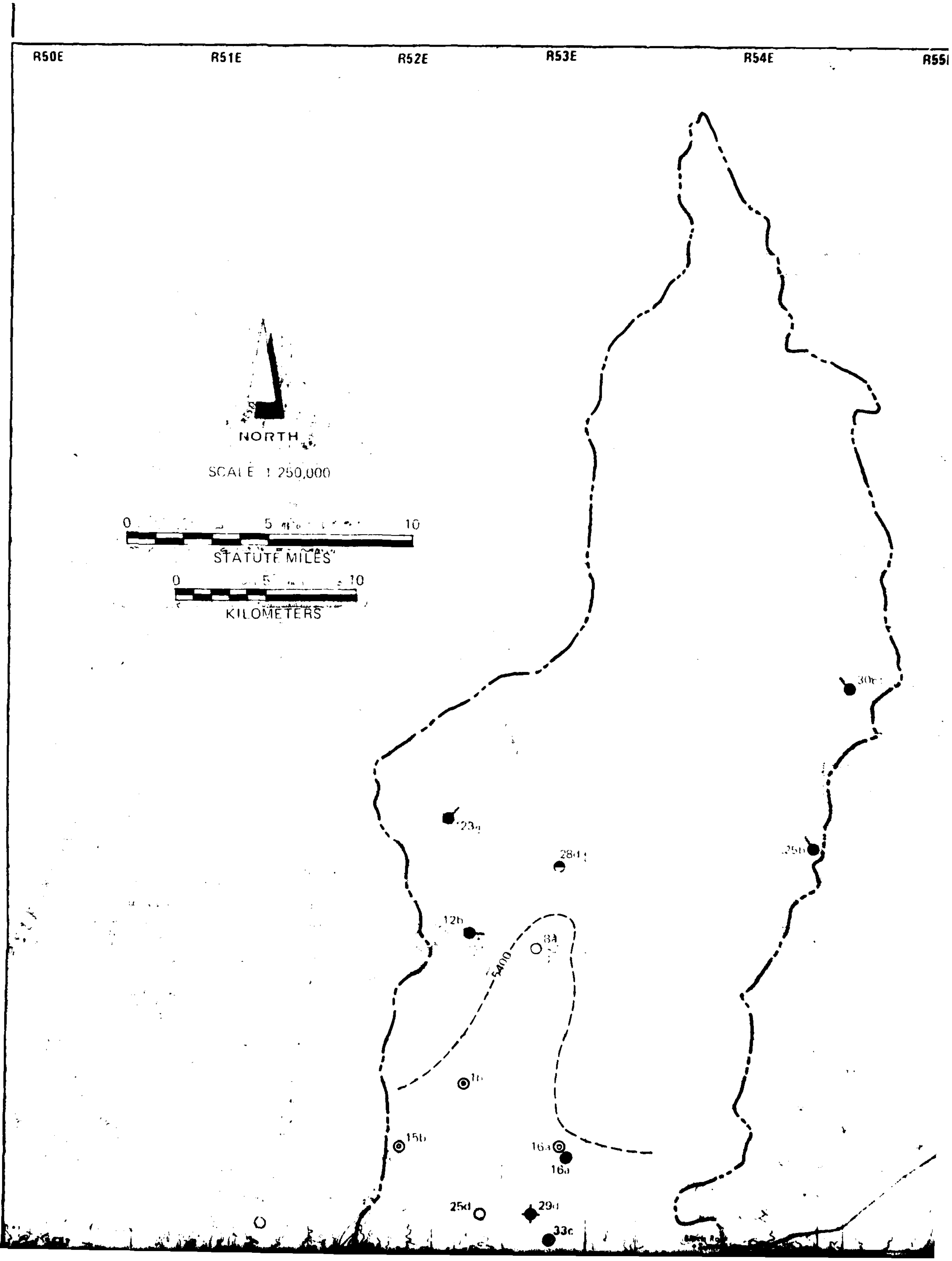
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

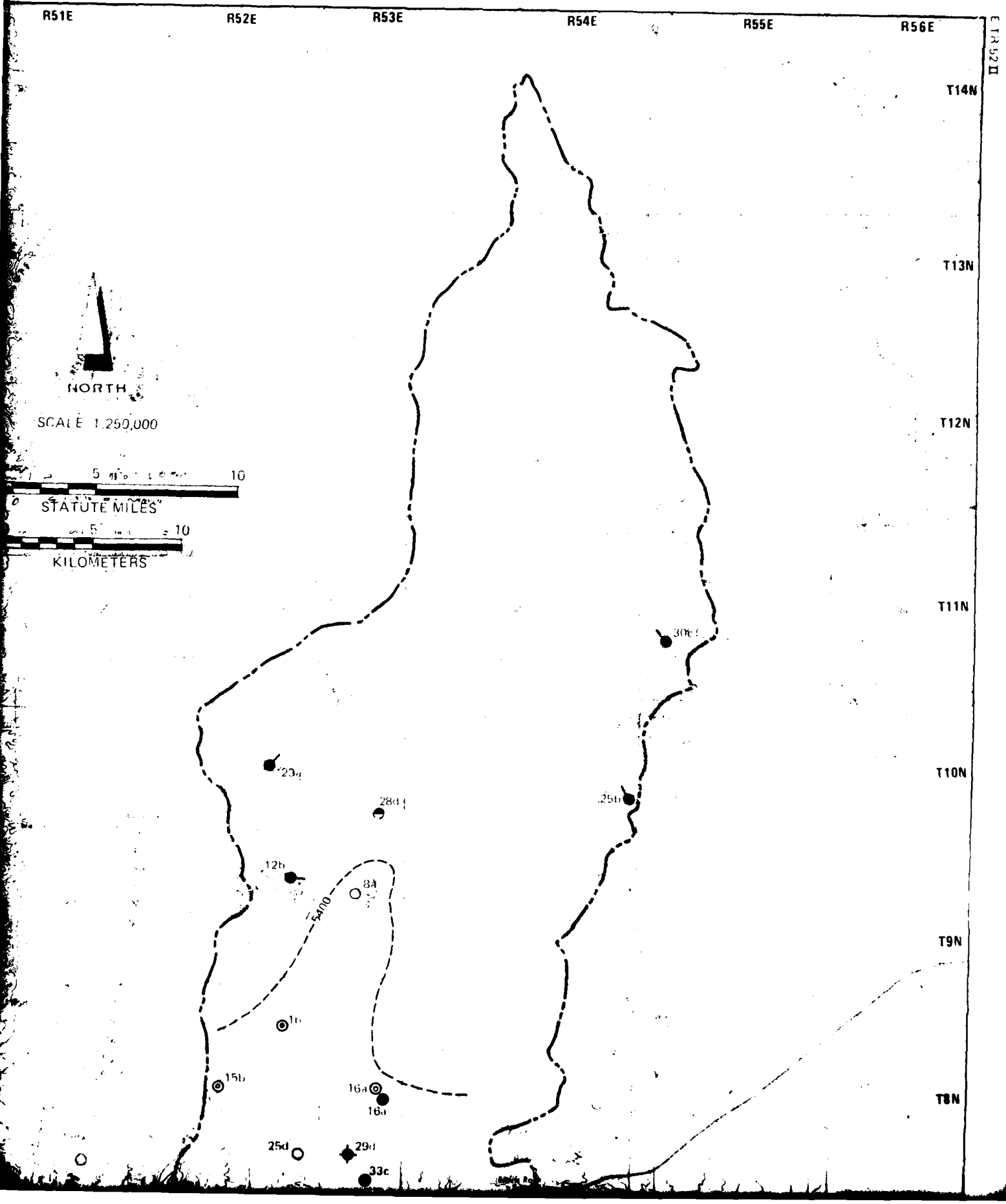
7b SECTION LOCATION NUMBER

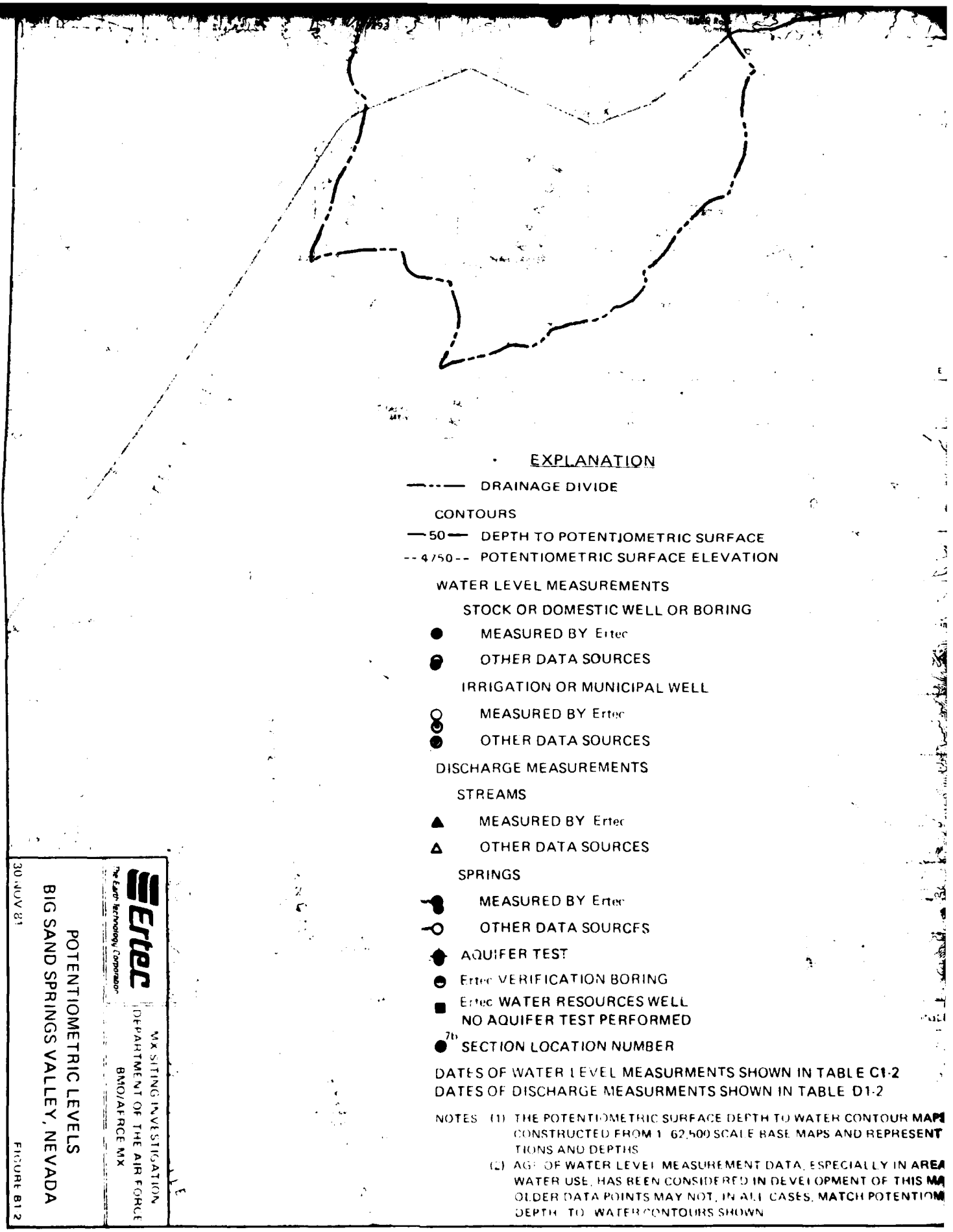
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-1
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-1

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.


R50E
R51E
R52E
R53E
R54E
NORTH
SCALE 1 250,000
0
5
10
STATUTE MILES
0
5
10
KILOMETERS
30c
23a
28d
25b
12b
8a
5400
1b
15b
16a
16a
25d
29d
33c


R51E
R52E
R53E
R54E
R55E
R56E
T14N
T13N
T12N
T11N
T10N
T9N
T8N
NORTH
SCALE 1:250,000
5
10
STATUTE MILES
5
10
KILOMETERS
5400
30c
23d
28d
25b
12b
8a
1b
15b
16a
16d
25d
29d
33c


EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
4750 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASURMENTS SHOWN IN TABLE C1-2
DATES OF DISCHARGE MEASURMENTS SHOWN IN TABLE D1-2
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TIONS AND DEPTHS
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREA WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MA OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOM DEPTH TO WATER CONTOURS SHOWN
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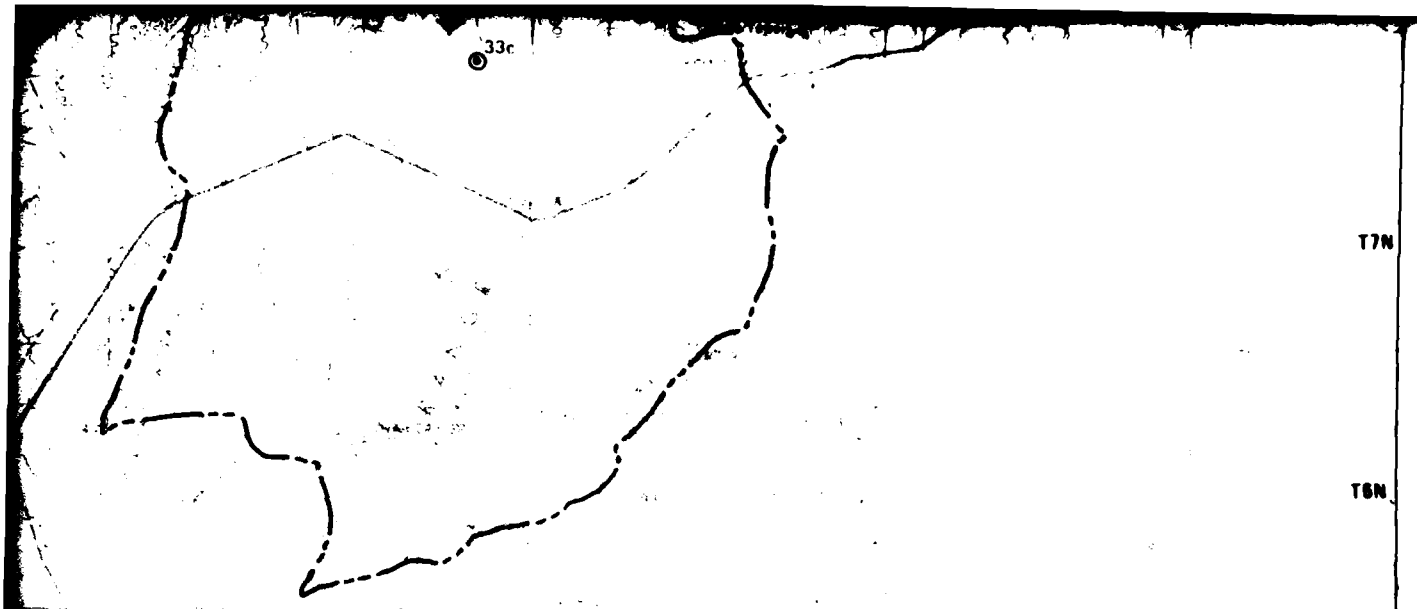
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE MX
POTENTIOMETRIC LEVELS
BIG SAND SPRINGS VALLEY, NEVADA
30 NOV 81
FIGURE B1-2



T7N

T6N

T5N

T4N

T3N

T2N

T1N

N A

EXPLANATION

—·—·— DRAINAGE DIVIDE

CONTOURS

—50— DEPTH TO POTENTIOMETRIC SURFACE

--4750-- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

◒ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

○ MEASURED BY Ertec

◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

7b SECTION LOCATION NUMBER

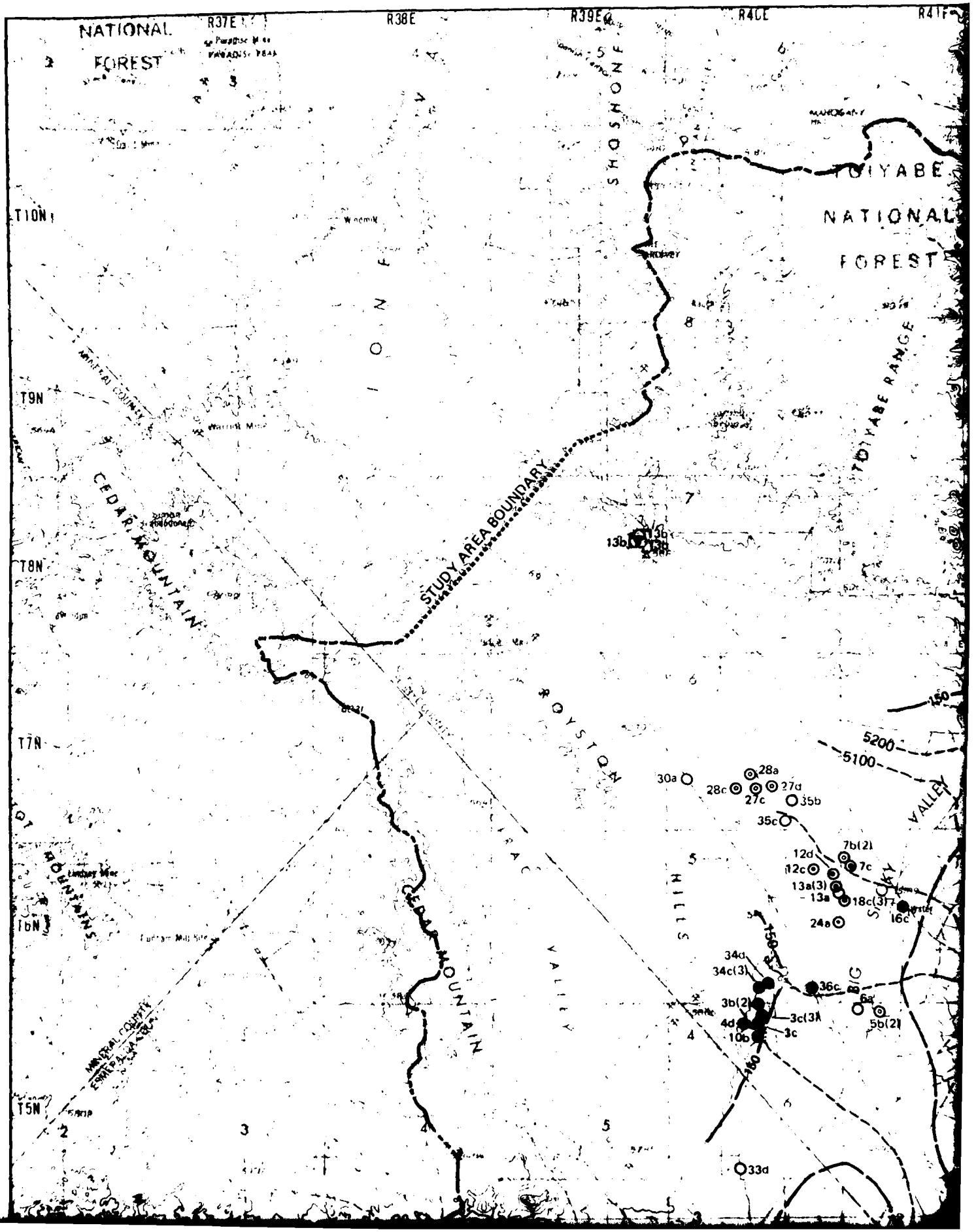
DATES OF WATER LEVEL MEASURMENTS SHOWN IN TABLE C1-2
DATES OF DISCHARGE MEASURMENTS SHOWN IN TABLE D1-2

NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN

A-6

4


NATIONAL
FOREST
R37E
R38E
R39E
R40E
R41E
T10N
T9N
T8N
T7N
T6N
T5N
SHOSHONE
RANGE
TOIYABE
NATIONAL
FOREST
TOIYABE RANGE
STUDY AREA BOUNDARY
CEDAR MOUNTAIN
ROBERTS MOUNTAINS
ROBERTS CREEK MOUNTAIN
ROBERTS CREEK VALLEY
SILLIMAN HILLS
BIG SKY VALLEY
MINERAL COUNTY
EUREKA COUNTY
5200
5100
150
160
13b
30a
28a
28c
27d
27c
35b
35c
7b(2)
12d
7c
12c
13a(3)
13a
18c(3)
16c
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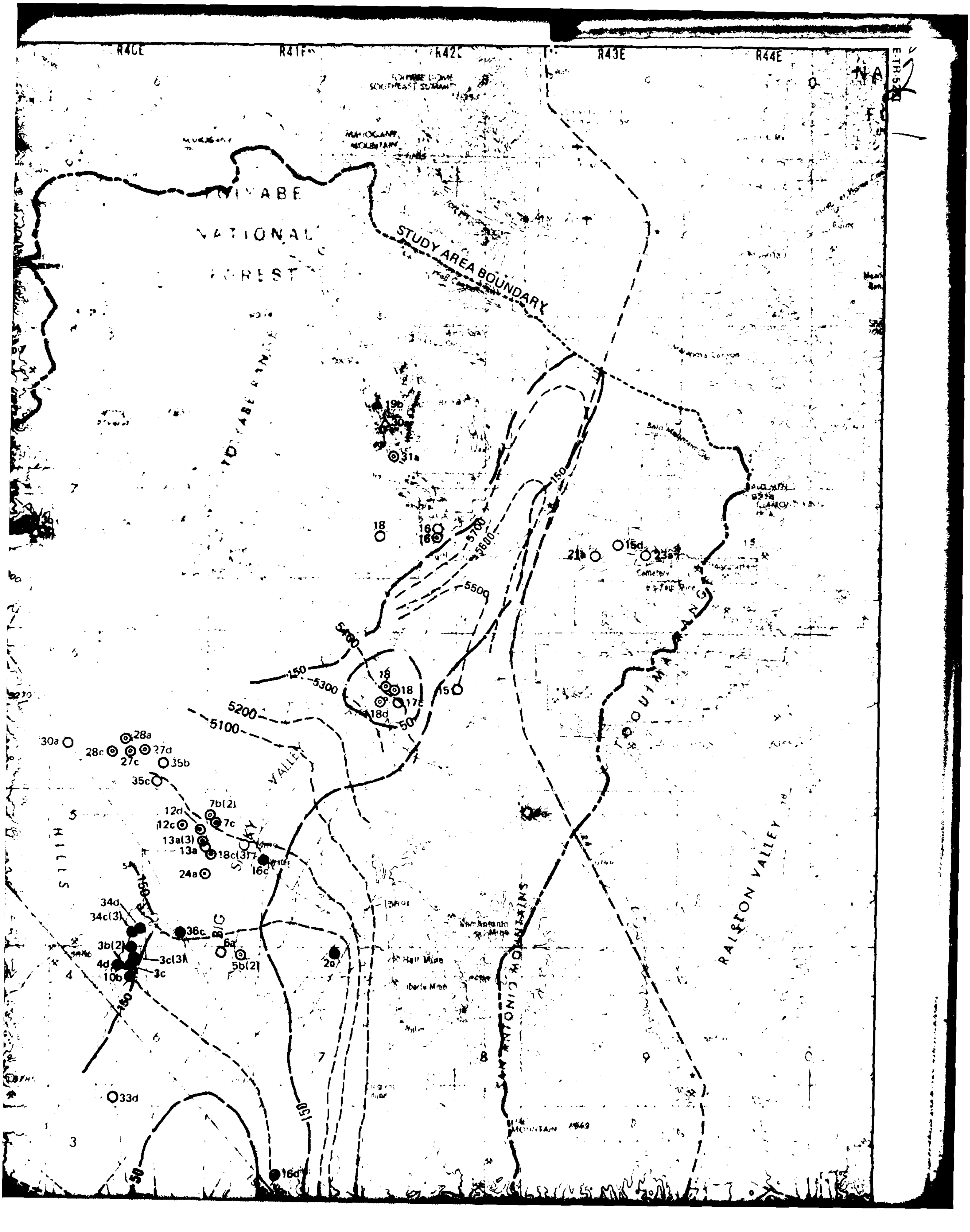
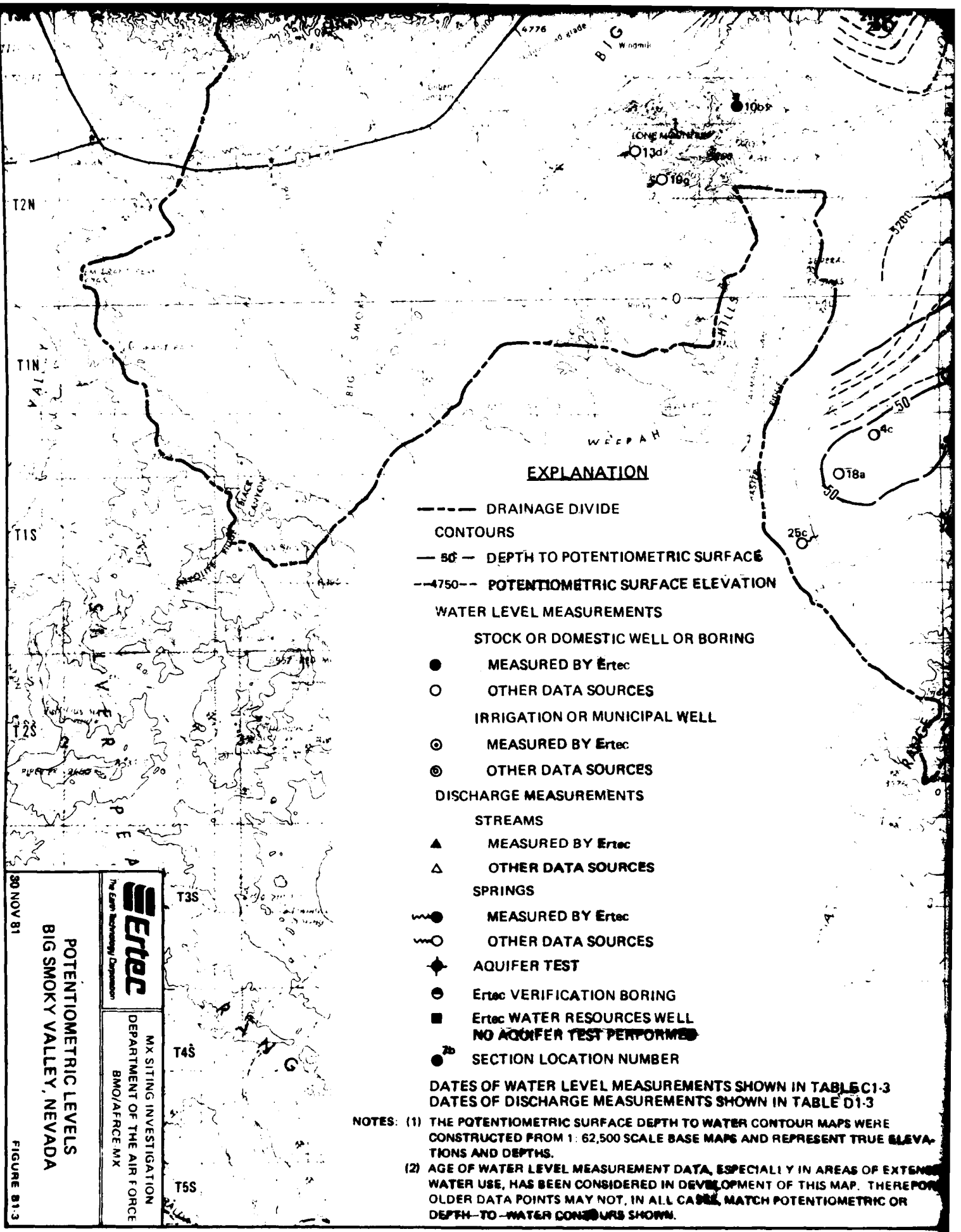
3b(2)
4d
3c(3)
3c
10b
5b(2)
33d



R40E
R41E
R42E
R43E
R44E
TOIYABE NATIONAL FOREST
STUDY AREA BOUNDARY
TOIYABE RANGE
BIG SMOKY VALLEY
SAN ANTONIO MOUNTAINS
RALSTON VALLEY
HILLS
5700
5600
5500
5400
5300
5200
5100
150
50
19b
31a
18
16
21b
15d
23a
15
17c
18d
30a
28a
28c
27c
27d
35b
35c
7b(2)
12d
7c
12c
13a(3)
13a
18c(3)
16c
24a
34d
34c(3)
36c
3b(2)
3c(3)
6a
5b(2)
2a
4d
10b
3c
33d
16d
San Antonio Mine
Half Mine



NOTES: (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN.

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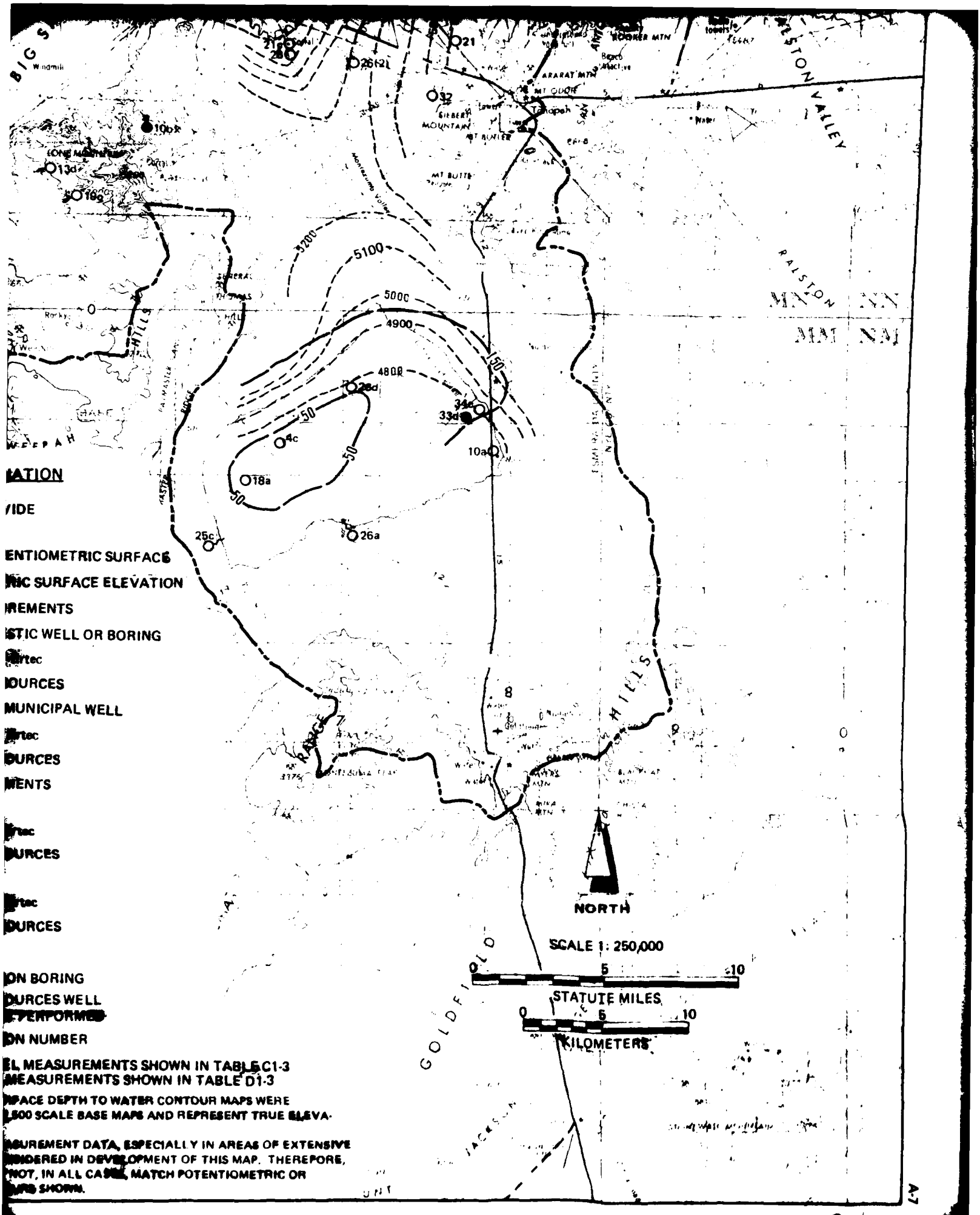
POTENTIOMETRIC LEVELS
BIG SMOKY VALLEY, NEVADA

30 NOV 81

FIGURE B1-3



ATION

/IDE

ENTIOMETRIC SURFACE

RIC SURFACE ELEVATION

REMENTS

STIC WELL OR BORING

rtec

OURCES

MUNICIPAL WELL

rtec

OURCES

MENTS

rtec

URCES

rtec

URCES

ON BORING

URCES WELL

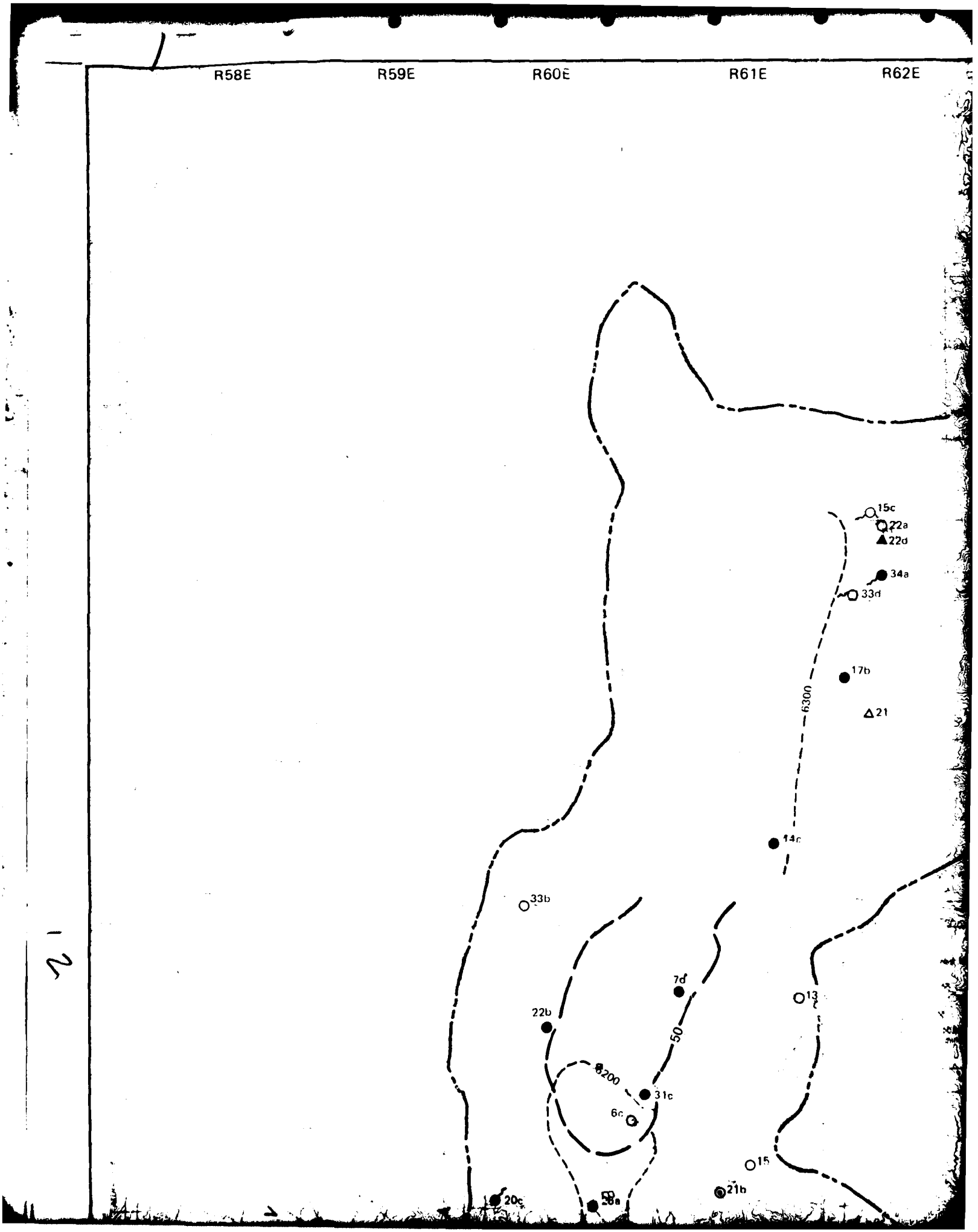
PERFORMED

ON NUMBER

EL MEASUREMENTS SHOWN IN TABLE C1-3
MEASUREMENTS SHOWN IN TABLE D1-3

FACE DEPTH TO WATER CONTOUR MAPS WERE
500 SCALE BASE MAPS AND REPRESENT TRUE ELEVA-

SUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE
IDERED IN DEVELOPMENT OF THIS MAP. THEREFORE,
NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR
RFS SHOWN.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R61E
R62E
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22d
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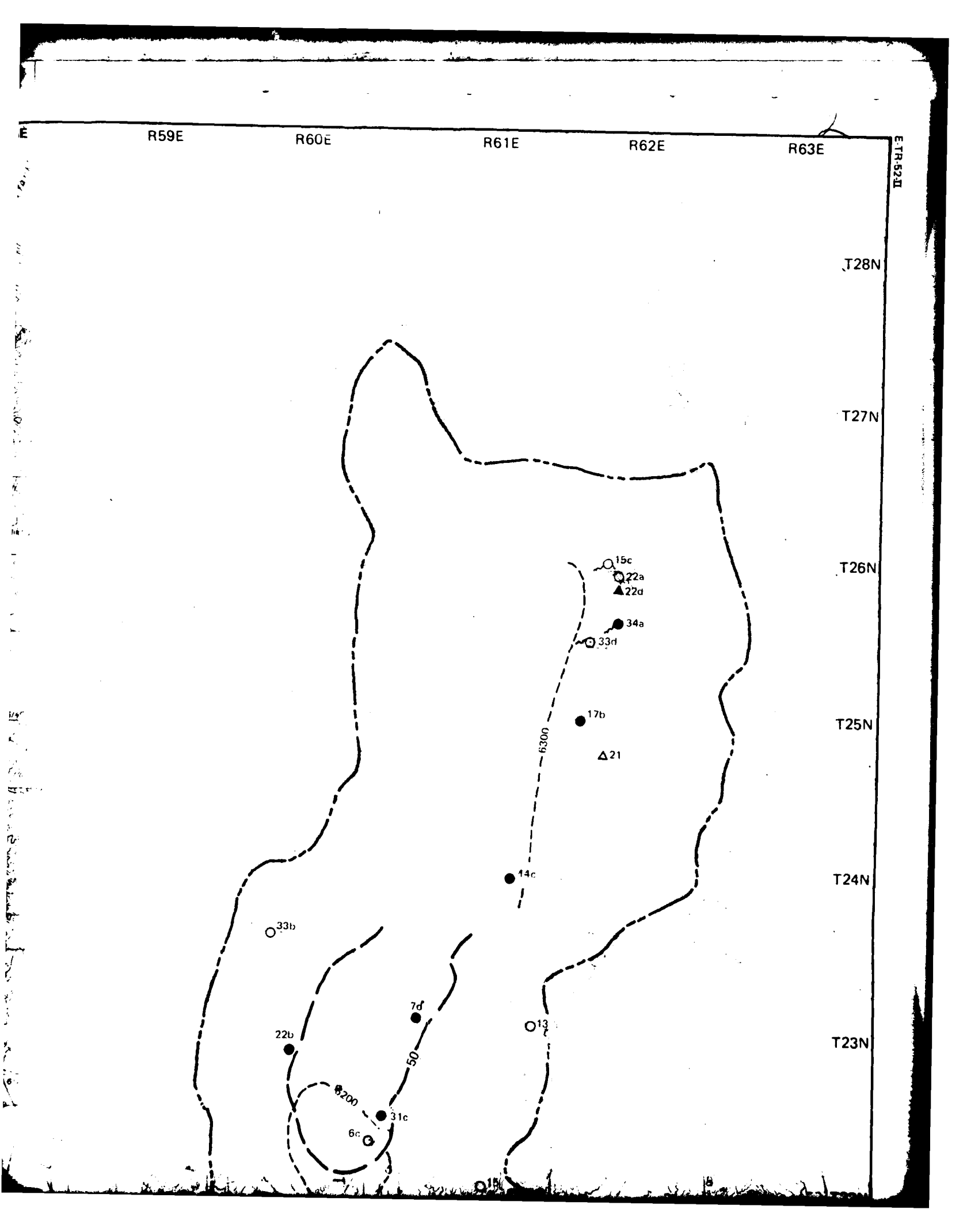
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R63E
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22a
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7d
22b
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31c
6c
13
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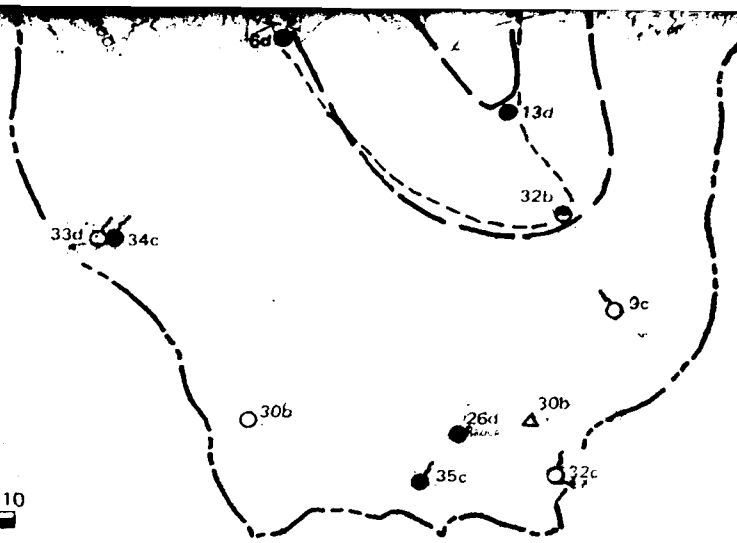

NORTH
SCALE 1:250,000

0 5 10
STATUTE MILES

0 5 10
KILOMETERS

EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- —50— DEPTH TO POTENTIOMETRIC SURFACE
- --5400-- POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ *OTHER DATA SOURCES*
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◉ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
  - AQUIFER TEST
  - Ertec VERIFICATION BORING
  - Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
  - ● 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-4

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CO
CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REP
TIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY
WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF
OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POT
DEPTH TO WATER CONTOURS SHOWN

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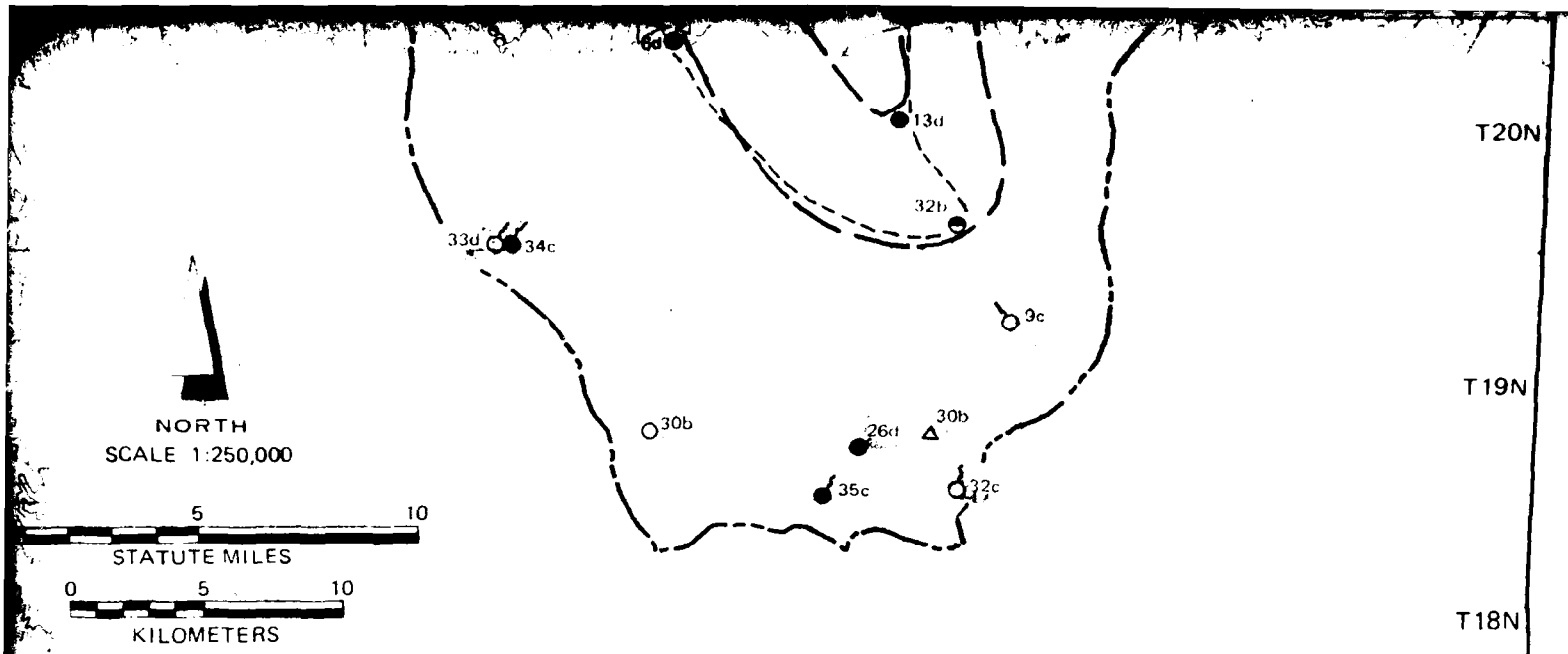
POTENTIOMETRIC LEVELS
BUTTE VALLEY, NEVADA

30 NOV 81

FIGURE B1-4



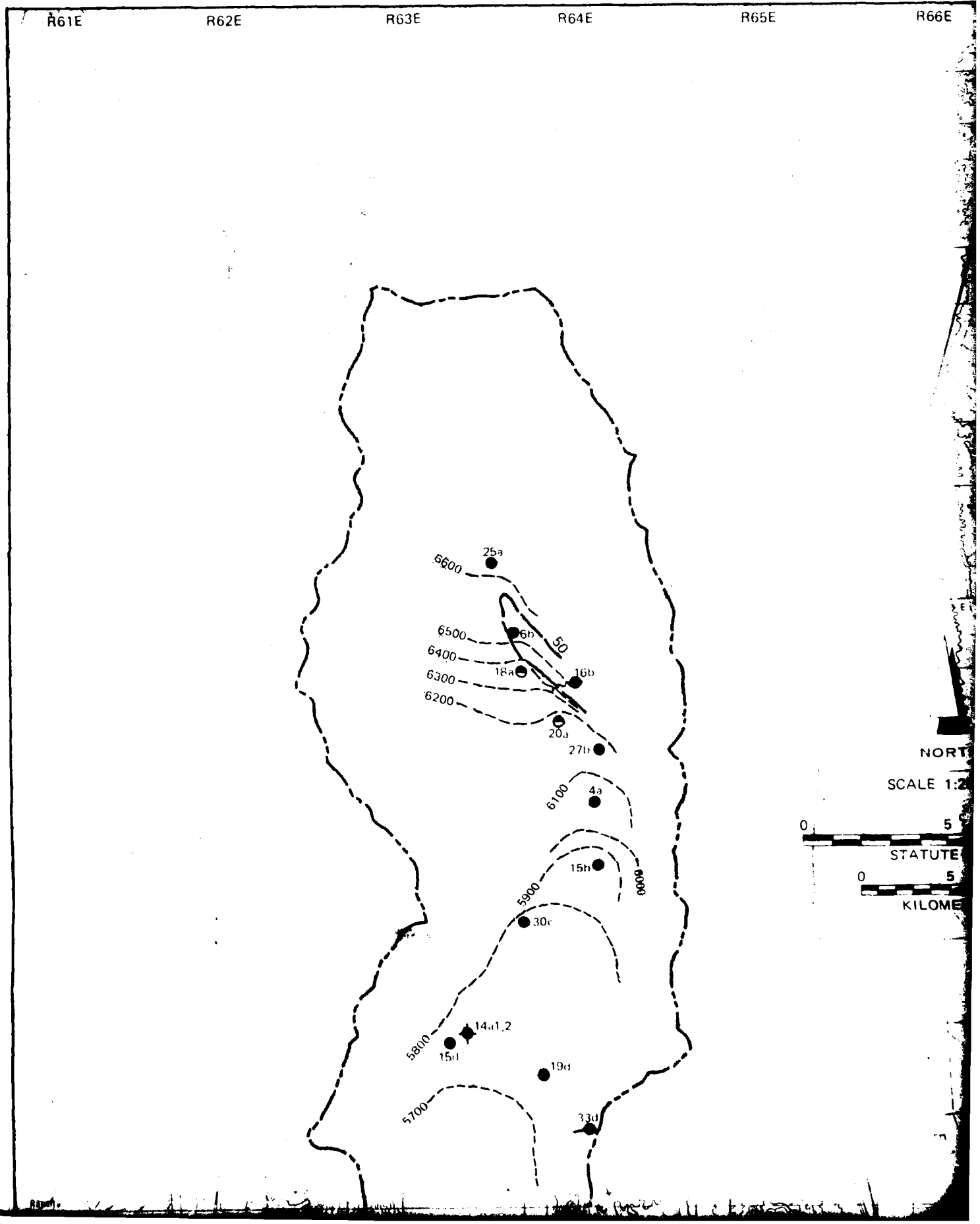
EXPLANATION

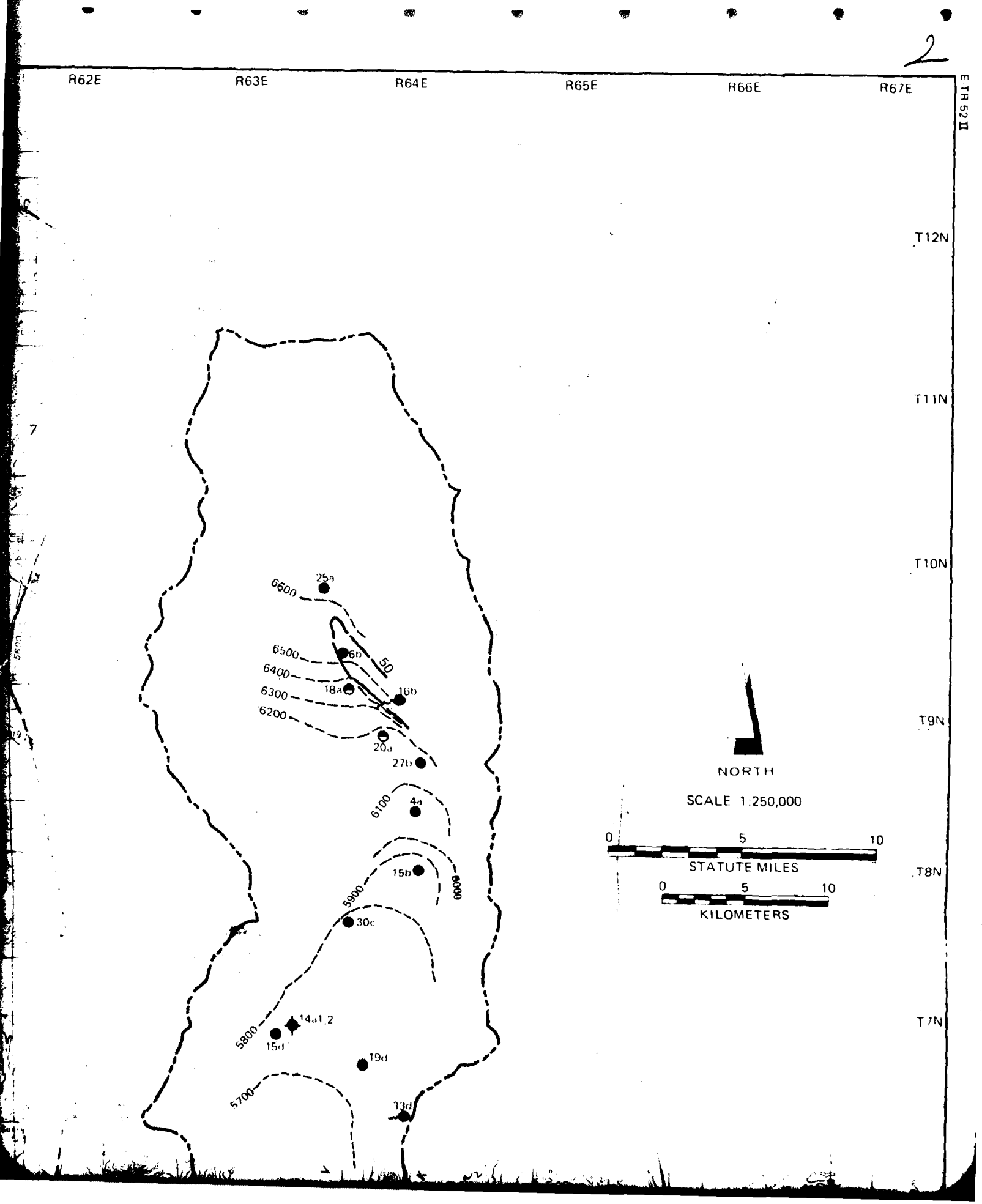
- DRAINAGE DIVIDE
- CONTOURS
- 50 DEPTH TO POTENTIOMETRIC SURFACE
- 5400 POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◉ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
- AQUIFER TEST
- Ertec VERIFICATION BORING
- Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-4
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-4

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.


R61E
R62E
R63E
R64E
R65E
R66E
25a
6600
6500
6400
6300
6200
6b
18a
16b
20a
27b
50
4a
6100
15b
5900
6000
30c
14a1,2
15d
5800
19d
5700
33d
NORT
SCALE 1:2
0
5
STATUTE
0
5
KILOME


R62E
R63E
R64E
R65E
R66E
R67E
ETR52II
T12N
T11N
T10N
T9N
T8N
T7N
7
25a
6600
6500
6400
6300
6200
6b
50
18a
16b
20a
27b
6100
4a
15b
5900
8000
30c
5800
14a1,2
15d
19d
5700
33d
NORTH
SCALE 1:250,000
0
5
10
STATUTE MILES
0
5
10
KILOMETERS

0
KIL
30c
14a1,2
15d
5800
19d
5700
33d
19a
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOME
5400 POTENTIOMETRIC SURI
WATER LEVEL MEASUREMEN
STOCK OR DOMESTIC WE
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIP
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORI
Ertec WATER RESOURCES
NO AQUIFER TEST PERFO
7b SECTION LOCATION NUMI
DATES OF WATER LEVEL MEASUREMENTS SHO
DATES OF DISCHARGE MEASUREMENTS SHOWN
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CI
CONSTRUCTED FROM 1 62 500 SCALE BASE MAPS ANI
TIONS AND DEPTHS
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECI
WATER USE HAS BEEN CONSIDERED IN DEVELOPMEI
OLDER DATA POINTS MAY NOT, IN ALL CASES, MATC
DEPTH TO WATER CONTOURS SHOWN.
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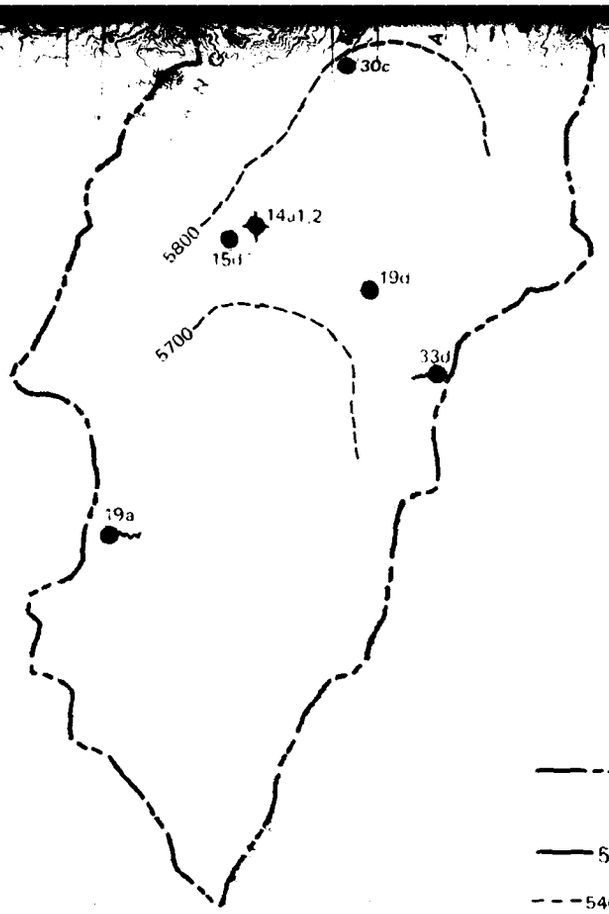
POTENTIOMETRIC LEVELS
CAVE VALLEY, NEVADA
30 NOV 81
FIGURE B1-3



T7N

T6N

T5N

T4N

T3N

T2N

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- MEASURED BY Ertec
- OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- MEASURED BY Ertec
- OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- MEASURED BY Ertec
- OTHER DATA SOURCES

SPRINGS

- MEASURED BY Ertec
- OTHER DATA SOURCES
- AQUIFER TEST
- Ertec VERIFICATION BORING
- Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-5
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-5

NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.

R57E R58E R59E R60E R61E

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

4200 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

Ertec WATER RESOURCES WELL

NO AQUIFER TEST PERFORMED

7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-6
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-6

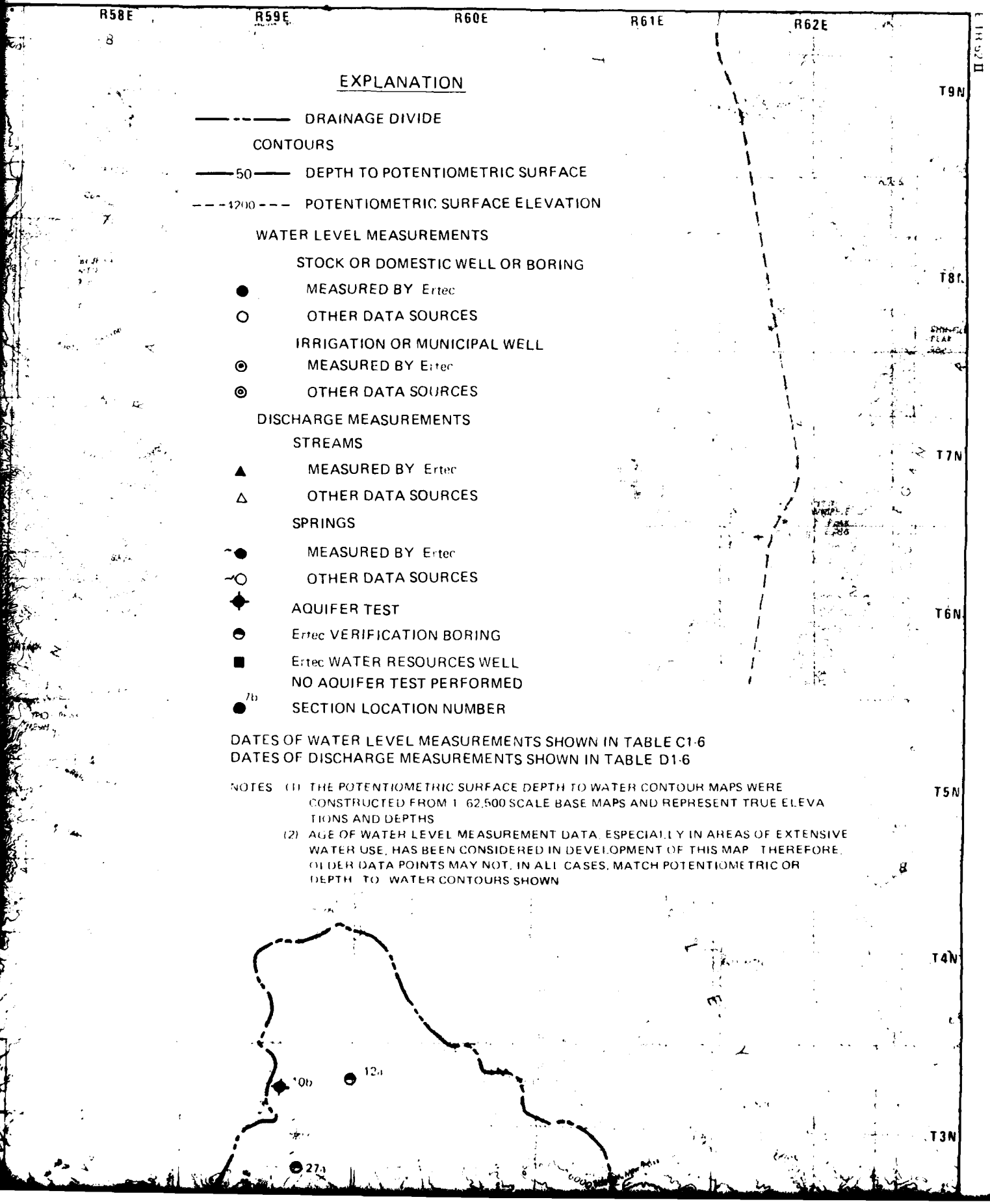
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS W
CONSTRUCTED FROM 1 62 500 SCALE BASE MAPS AND REPRESENT TI
TIONS AND DEPTHS

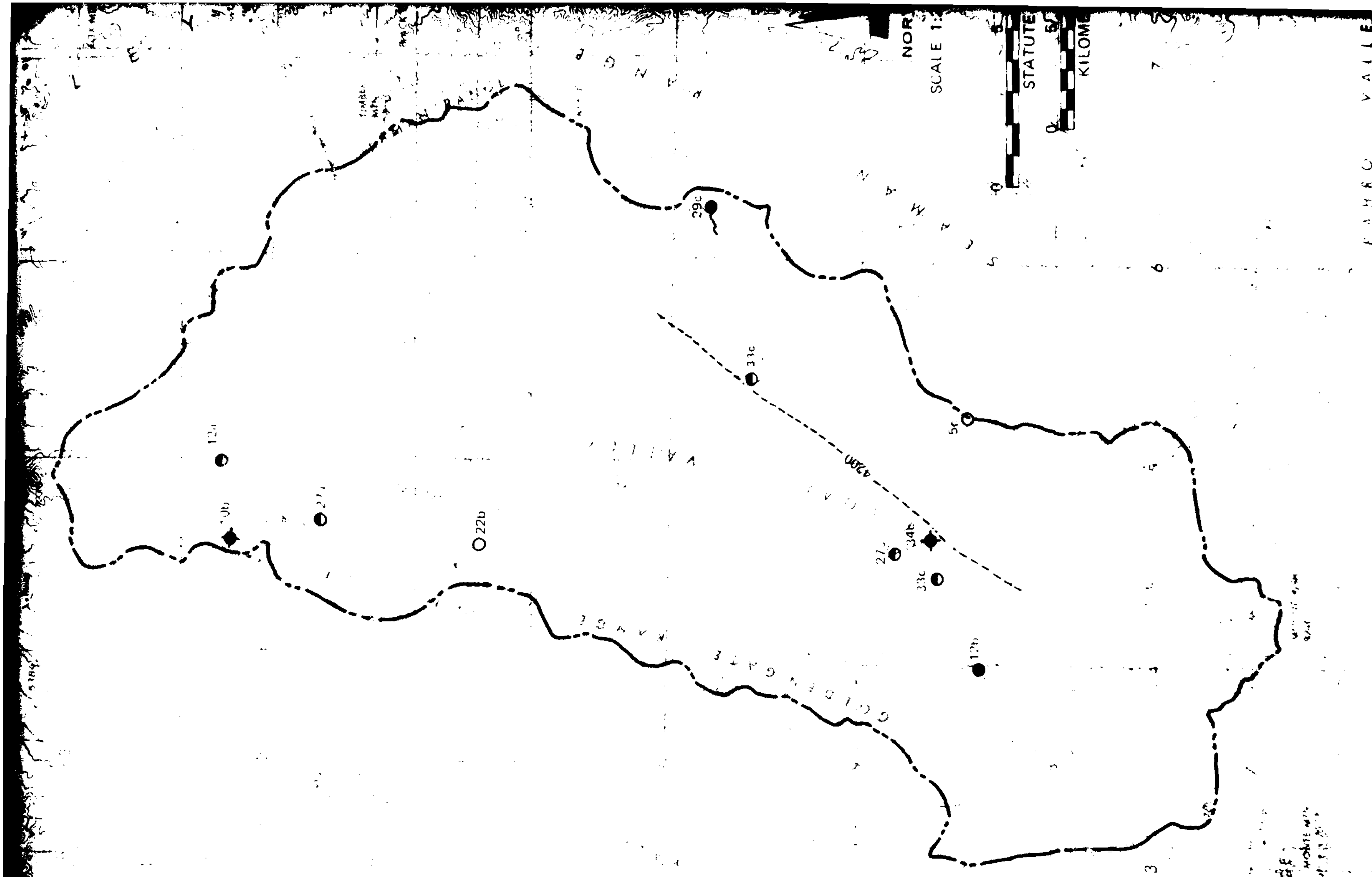
(2) AGE OF WATER LEVEL MEASUREMENT DATA ESPECIALLY IN AREAS
WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP.
OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMET
DEPTH TO WATER CONTOURS SHOWN

HUMBOLDT

ONAL FORT

10b 12a 27a


R58E
R59E
R60E
R61E
R62E
T9N
T8N
T7N
T6N
T5N
T4N
T3N
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
4200 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-6
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-6
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN
10b
12a
27a



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COAL VALLEY, NEVADA

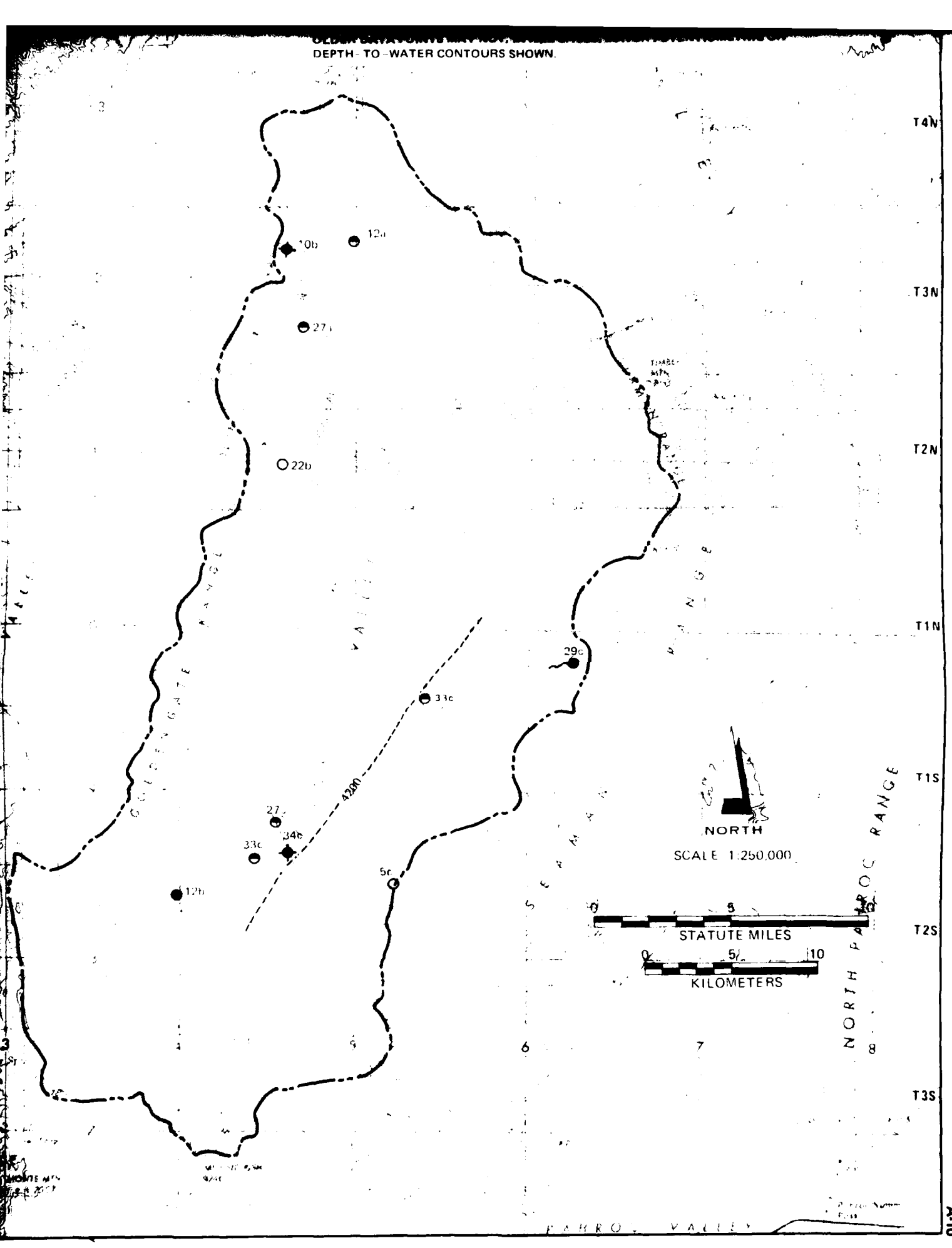
30 NOV 81

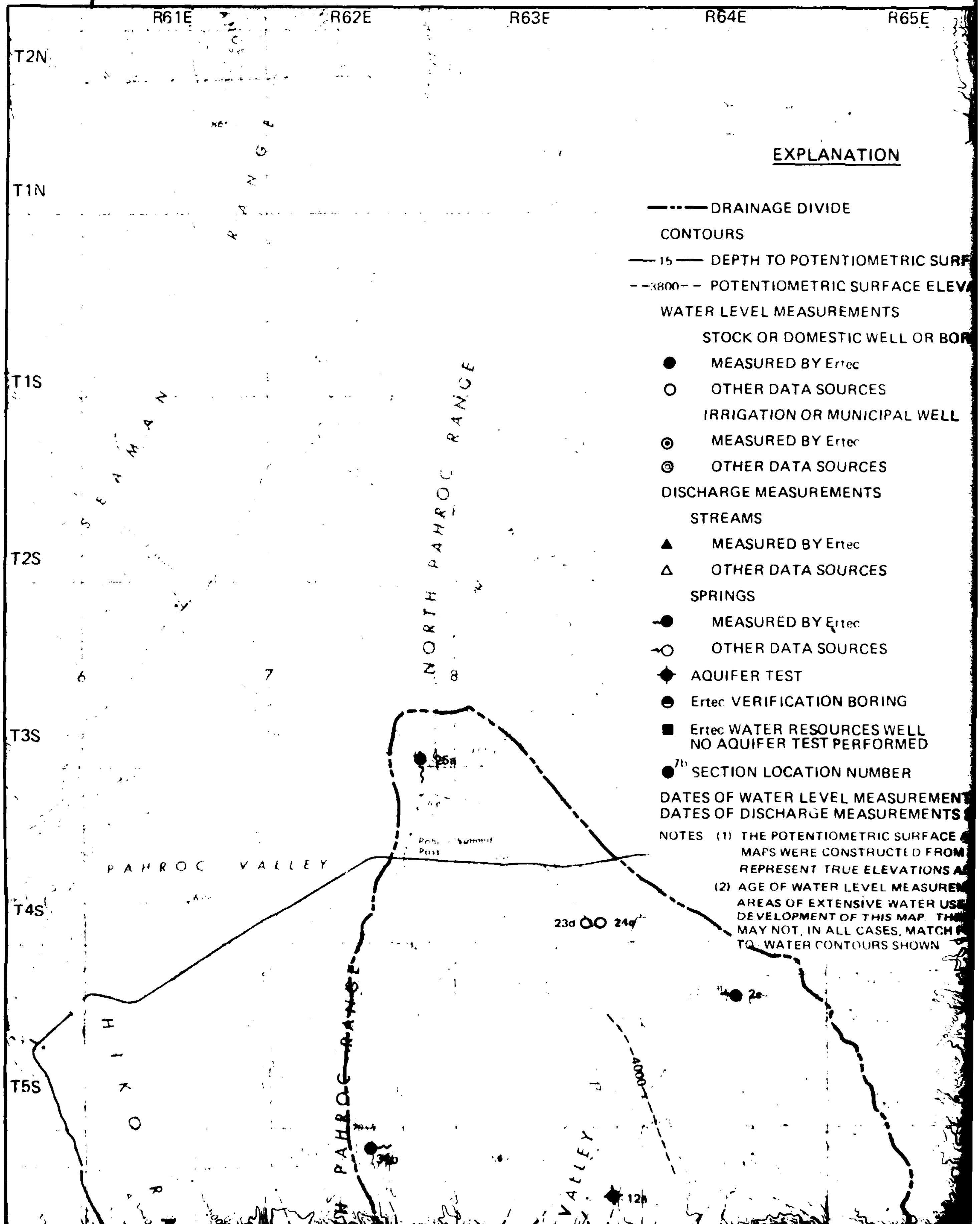
FIGURE B16

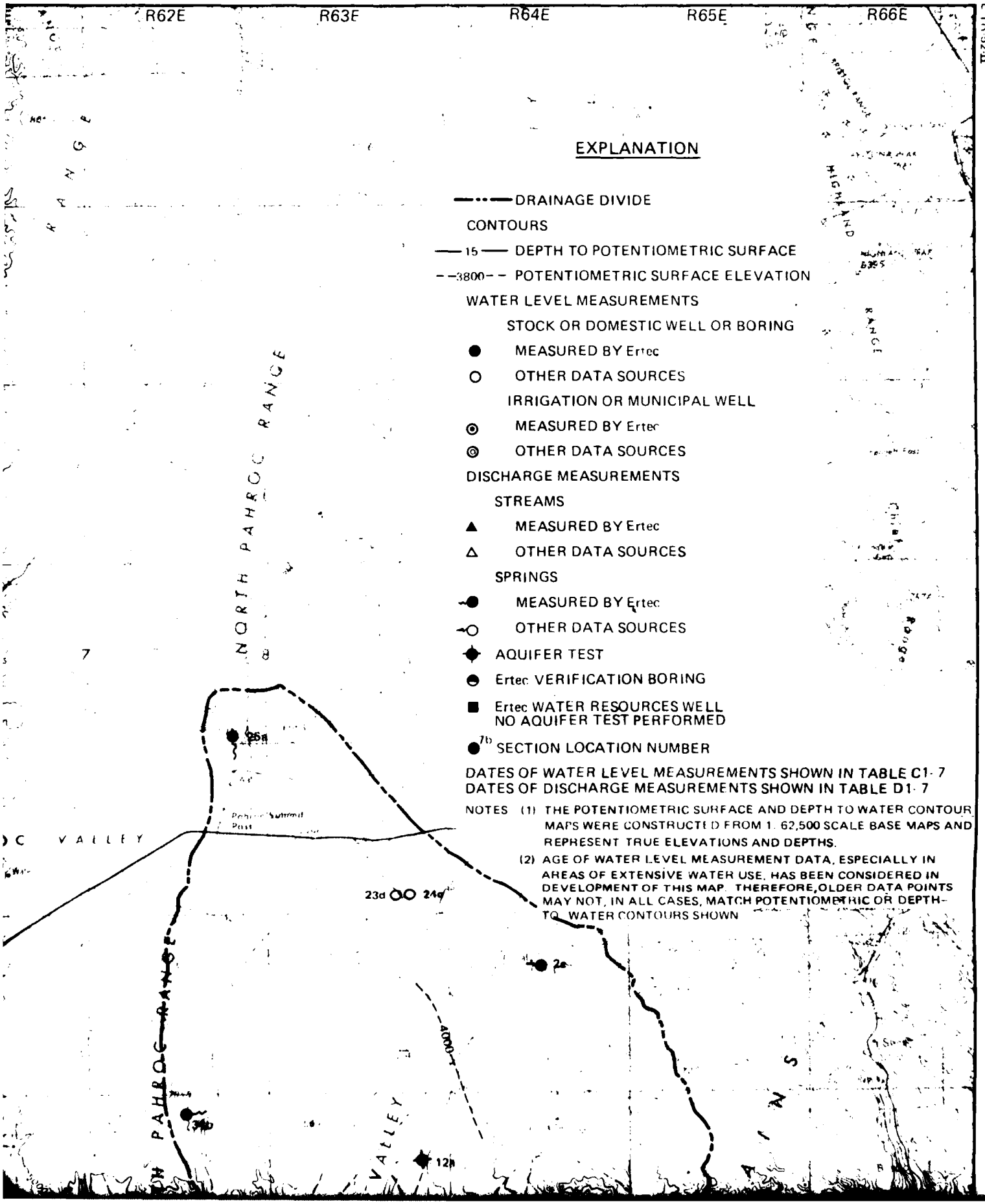
12

3

DEPTH-TO-WATER CONTOURS SHOWN.




R61E
R62E
R63E
R64E
R65E
T2N
T1N
T1S
T2S
T3S
T4S
T5S
SEAMAN RANGE
NORTH PAHROC RANGE
PAHROC VALLEY
HIKO
PAHROC RANGE
VALLEY
6
7
8
23d
24d
2e
12b
4000
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
15 DEPTH TO POTENTIOMETRIC SURF
3800 POTENTIOMETRIC SURFACE ELEV
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BOR
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENT
DATES OF DISCHARGE MEASUREMENTS
NOTES (1) THE POTENTIOMETRIC SURFACE
MAPS WERE CONSTRUCTED FROM
REPRESENT TRUE ELEVATIONS A
(2) AGE OF WATER LEVEL MEASURE
AREAS OF EXTENSIVE WATER US
DEVELOPMENT OF THIS MAP. TH
MAY NOT, IN ALL CASES, MATCH
TO WATER CONTOURS SHOWN



EXPLANATION

DRAINAGE DIVIDE

CONTOURS

15 DEPTH TO POTENTIOMETRIC SURFACE

3800 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- ● MEASURED BY Ertec
- ○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- ◉ MEASURED BY Ertec
- ◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- ▲ MEASURED BY Ertec
- △ OTHER DATA SOURCES

SPRINGS

- MEASURED BY Ertec
- OTHER DATA SOURCES

- ◆ AQUIFER TEST
- ◓ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ●^{7b} SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-7
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-7

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN

T2S
T3S
T4S
T5S
T6S
T7S
NORTH P
PAHROC VALLEY
SOUTH PAHROC RANGE
HIKO RANGE
DELAMAR VALLEY
DELAMAR MOUNTAINS
PAHRANAGAT NATIONAL
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS
DATES OF DISCHARGE MEASUREMENTS SH
NOTES (1) THE POTENTIOMETRIC SURFACE AN
MAPS WERE CONSTRUCTED FROM 1:
REPRESENT TRUE ELEVATIONS AND
(2) AGE OF WATER LEVEL MEASUREME
AREAS OF EXTENSIVE WATER USE, H
DEVELOPMENT OF THIS MAP THERE
MAY NOT, IN ALL CASES, MATCH PO
TO WATER CONTOURS SHOWN
4000
3800
SCALE 1:25
STATUTE MI
KILOMET
30 NOV 81
POTENTIOMETRIC LEVELS
DELAMAR VALLEY, NEVADA
FIGURE B1.7
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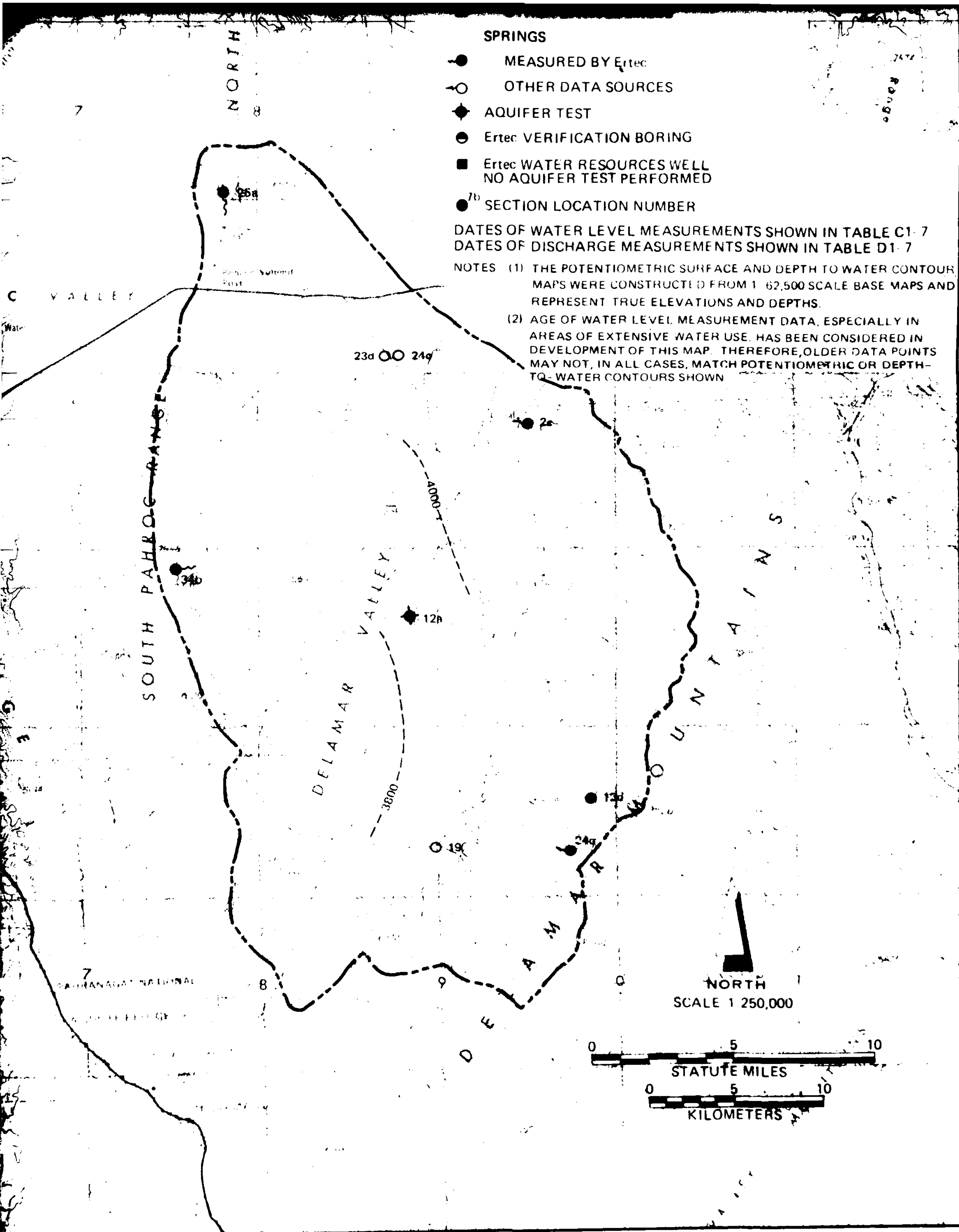
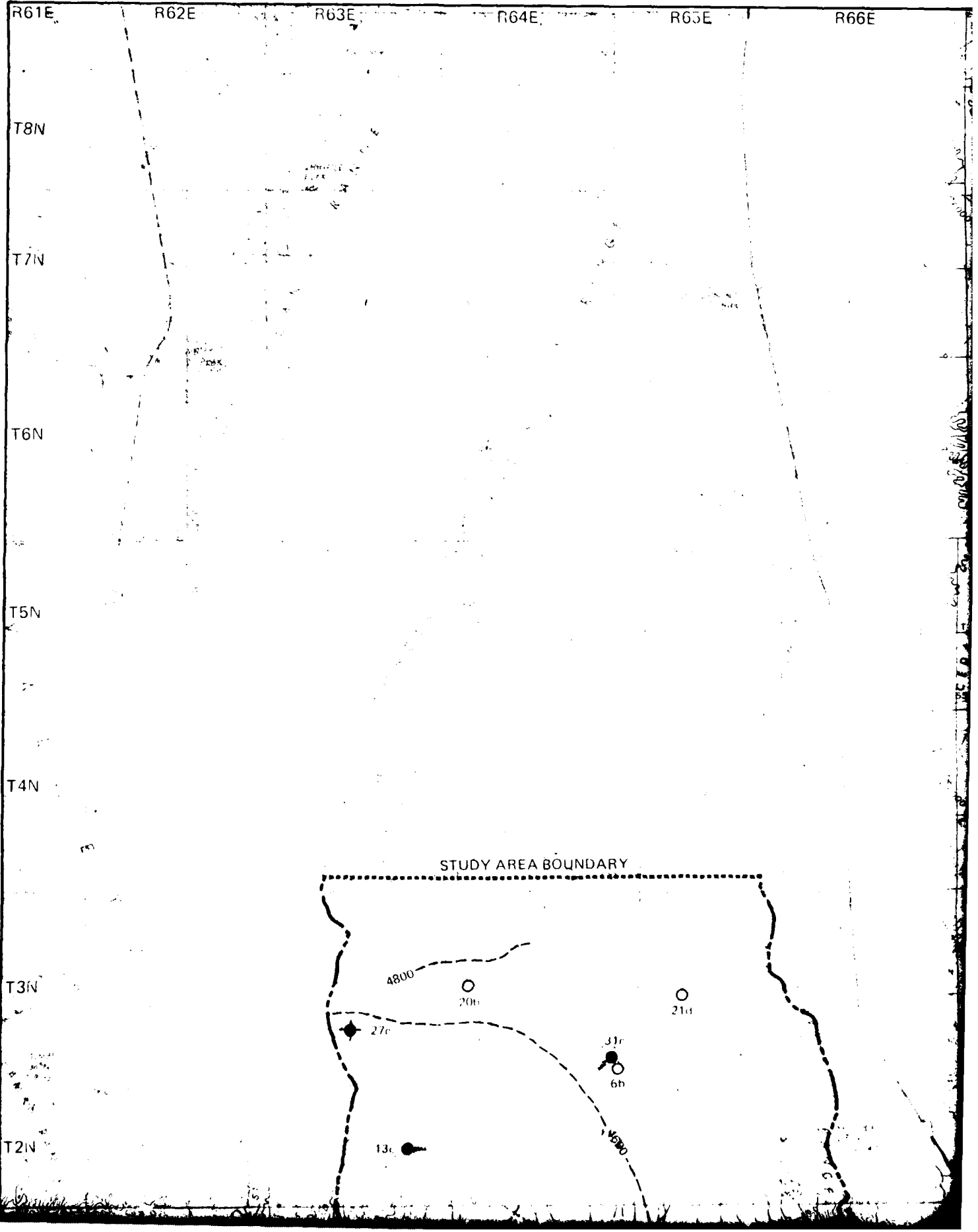
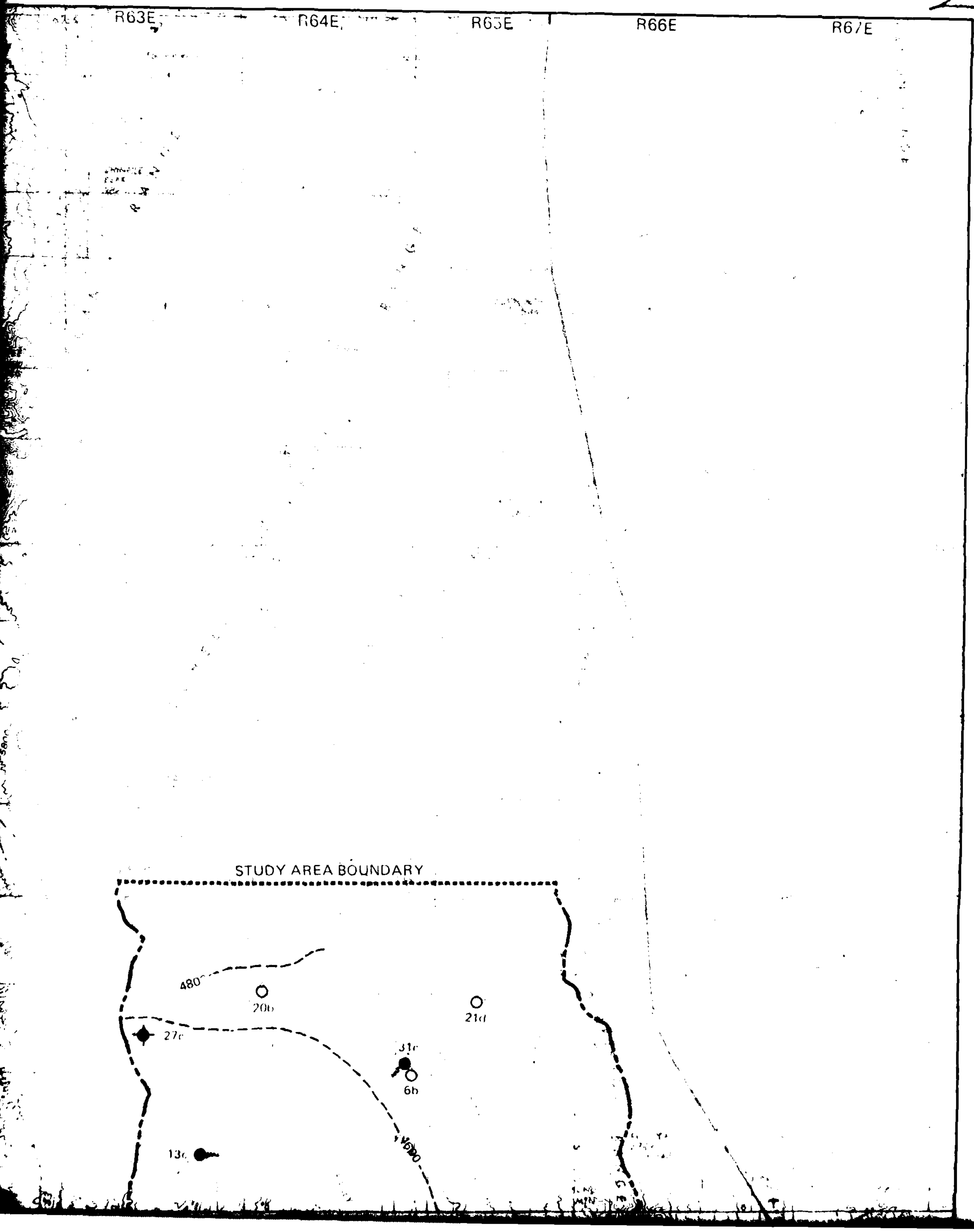
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX

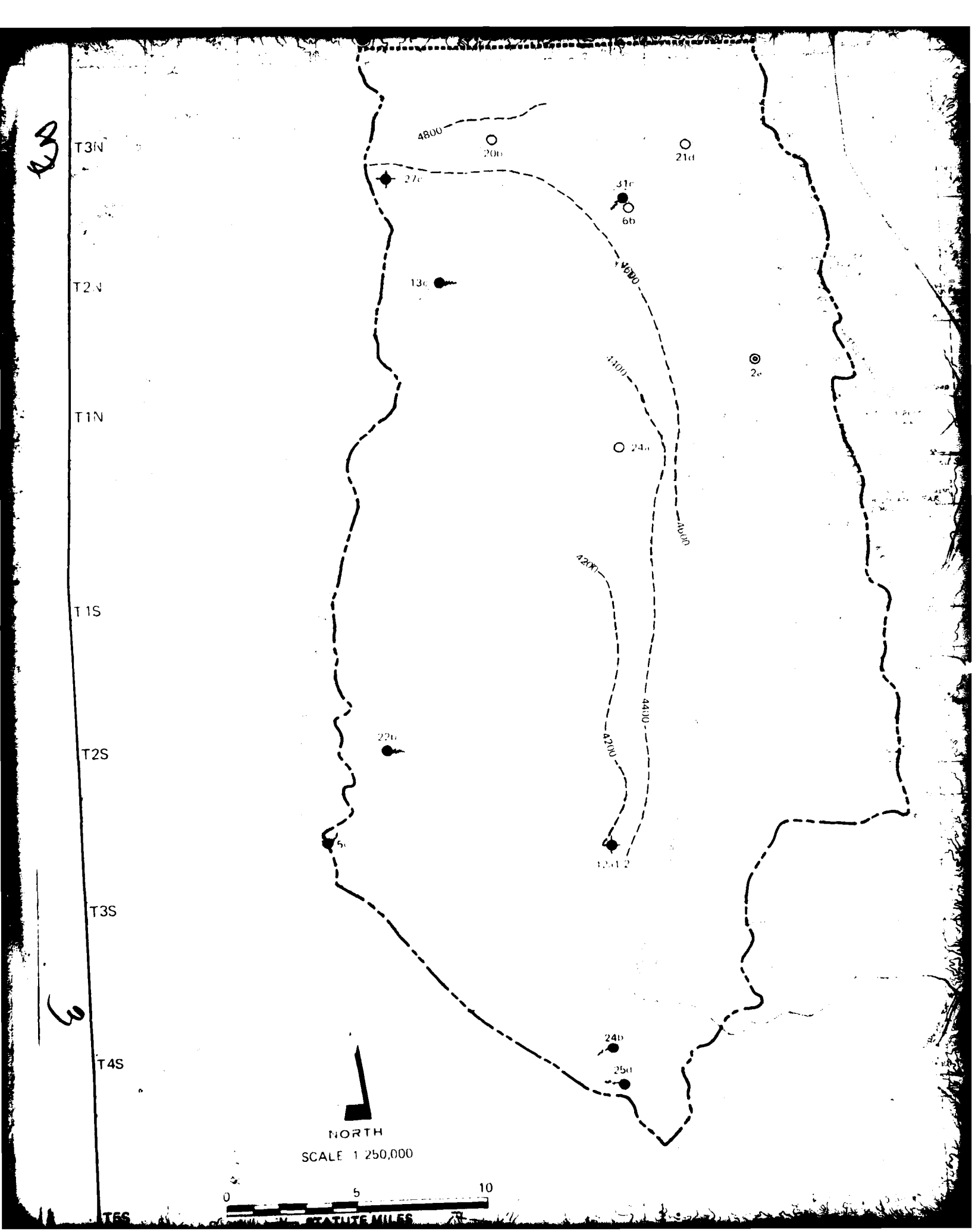

SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-7
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-7
NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN
NORTH
SOUTH PAHROC RANGE
DELAMAR VALLEY
DELAMAR MOUNTAINS
25a
23d
24d
2e
34b
12h
4000
3800
13d
19
24a
NORTH
SCALE 1:250,000
STATUTE MILES
0
5
10
KILOMETERS
0
5
10

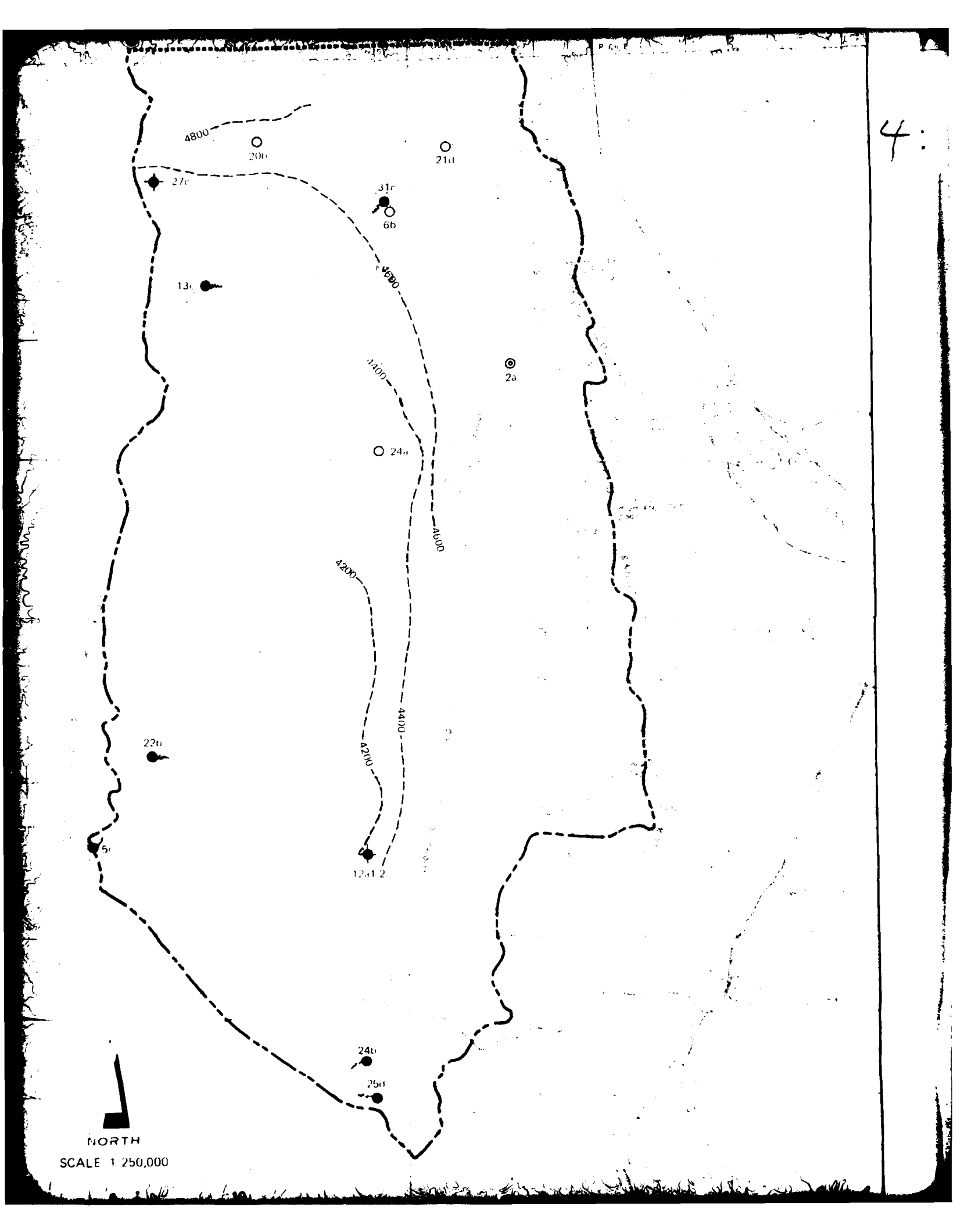
4

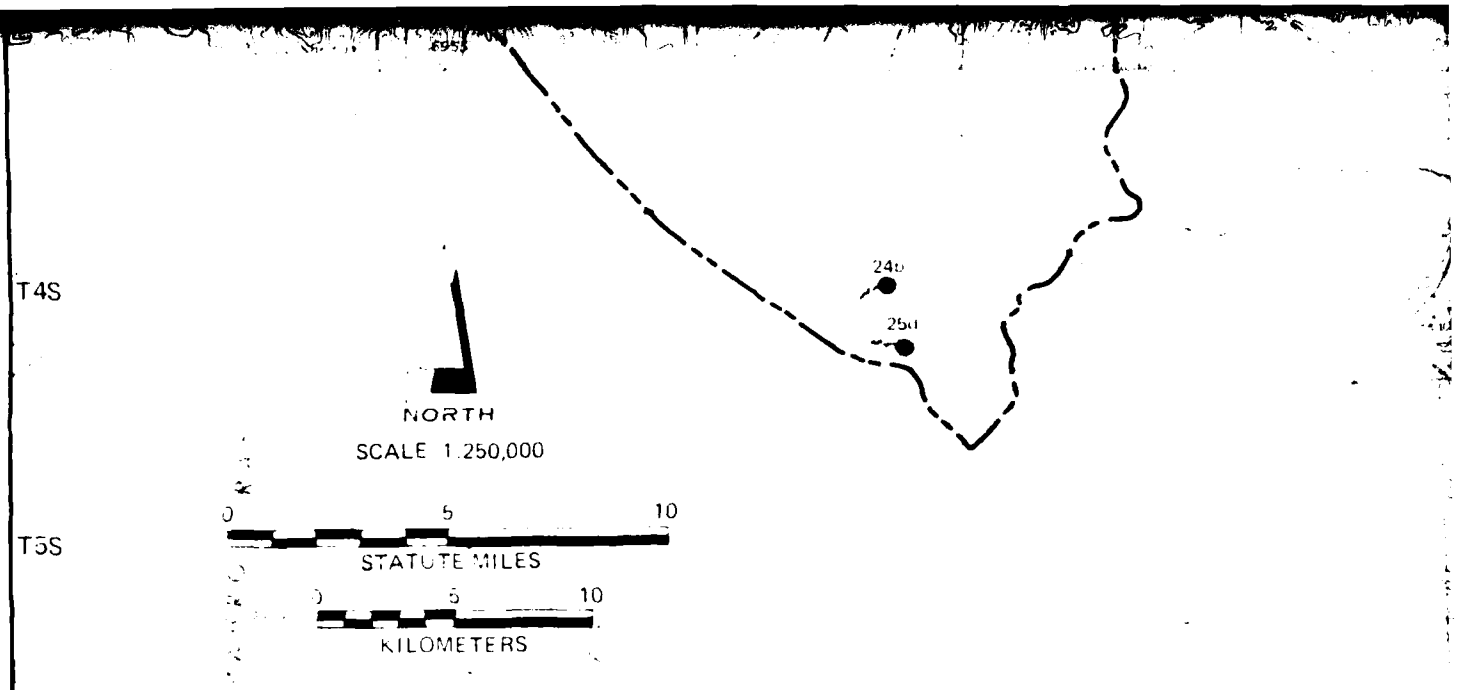

R61E
R62E
R63E
R64E
R65E
R66E
T8N
T7N
T6N
T5N
T4N
T3N
T2N
STUDY AREA BOUNDARY
4800
20b
21d
27c
31c
6b
13c
4800

2


R63E
R64E
R65E
R66E
R67E
STUDY AREA BOUNDARY
4800
20b
21d
27c
31c
6b
13c
4600


T3N
T2N
T1N
T1S
T2S
T3S
T4S
T5S
4800
4600
4400
4200
4000
20b
21d
27c
31c
6b
13c
2c
24a
22b
5c
12c12
24b
25d
NORTH
SCALE 1 250,000
0
5
10
STATUTE MILES


4800
20b
21d
27c
31c
6b
4600
13c
4400
2a
24a
4600
4200
4400
4200
22b
5c
12d1 2
24b
25b
NORTH
SCALE 1 250,000



EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SUR

5200 POTENTIOMETRIC SURFACE ELEV

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BO

- MEASURED BY Ertec
- OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- MEASURED BY Ertec
- OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- MEASURED BY Ertec
- OTHER DATA SOURCES

SPRINGS

- MEASURED BY Ertec
- OTHER DATA SOURCES
- AQUIFER TEST
- Ertec VERIFICATION BORING
- Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SH
DATES OF DISCHARGE MEASUREMENTS SHOW

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WA CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AI TIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPEC WATER USE, HAS BEEN CONSIDERED IN DEVELOPME OLDER DATA POINTS MAY NOT, IN ALL CASES, MAT DEPTH TO WATER CONTOURS SHOWN

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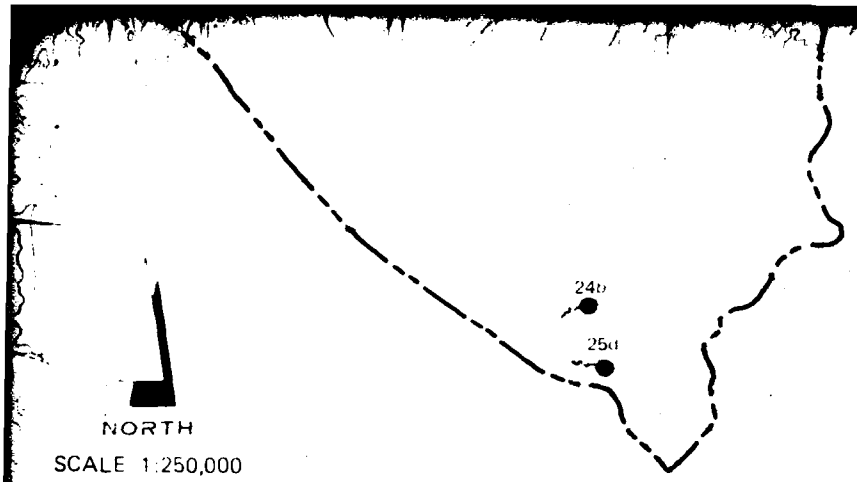
BMO/AFRCE MX

POTENTIOMETRIC LEVELS
DRY LAKE VALLEY, NEVADA

30 NOV 81

FIGURE B18



NORTH

SCALE 1:250,000

5 10

STATUTE MILES

5 10

KILOMETERS

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5200 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◎ MEASURED BY Ertec

◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

◆ AQUIFER TEST

Ertec VERIFICATION BORING

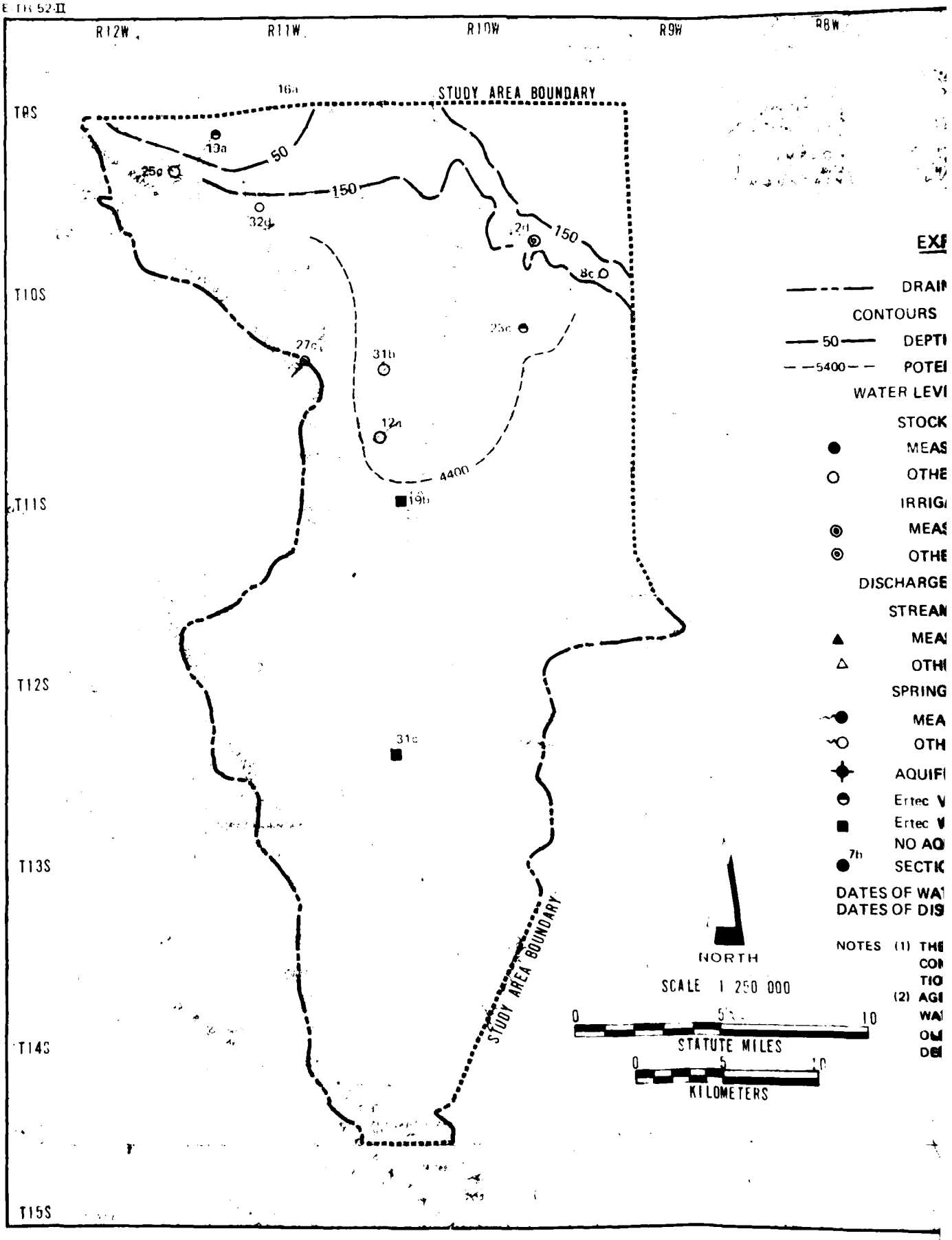
■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED

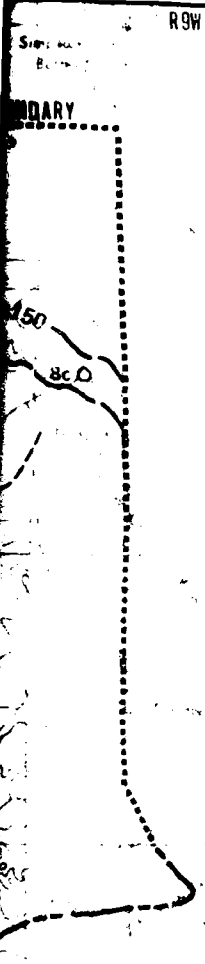
7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-8
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-8

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN


R12W
R11W
R10W
R9W
R8W
T9S
T10S
T11S
T12S
T13S
T14S
T15S
STUDY AREA BOUNDARY
16a
13a
25a
32a
50
150
20
150
8c
25c
27c
31b
12a
4400
19b
31c
STUDY AREA BOUNDARY
NORTH
SCALE 1 250 000
0
10
STATUTE MILES
0
5
10
KILOMETERS
EXP
DRAIN
CONTOURS
50 DEPTI
5400 POTEI
WATER LEVI
STOCK
MEAS
OTHE
IRRIG
MEAS
OTHE
DISCHARGE
STREAM
MEA
OTH
SPRING
MEA
OTH
AQUIFI
Ertec V
Ertec V
NO AQ
7h SECTI
DATES OF WA
DATES OF DIS
NOTES (1) THE
CO
TIO
(2) AGE
WA
OM
DE



EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- MEASURED BY Ertec
- OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- MEASURED BY Ertec
- OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- MEASURED BY Ertec
- OTHER DATA SOURCES

SPRINGS

- MEASURED BY Ertec
- OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-9
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-9

NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.

NORTH

SCALE 1 250 000

0 5 10
STATUTE MILES

0 5 10
KILOMETERS

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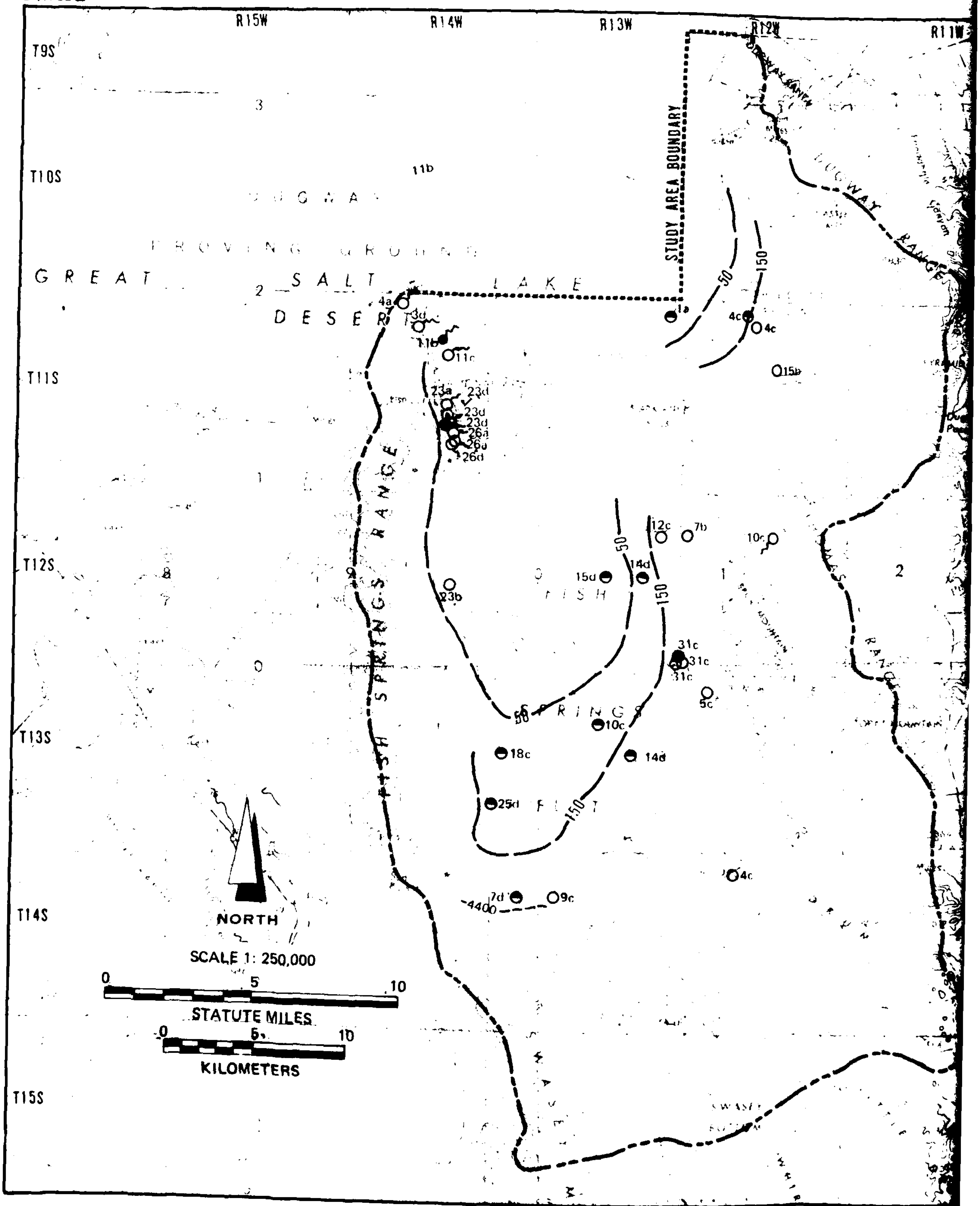
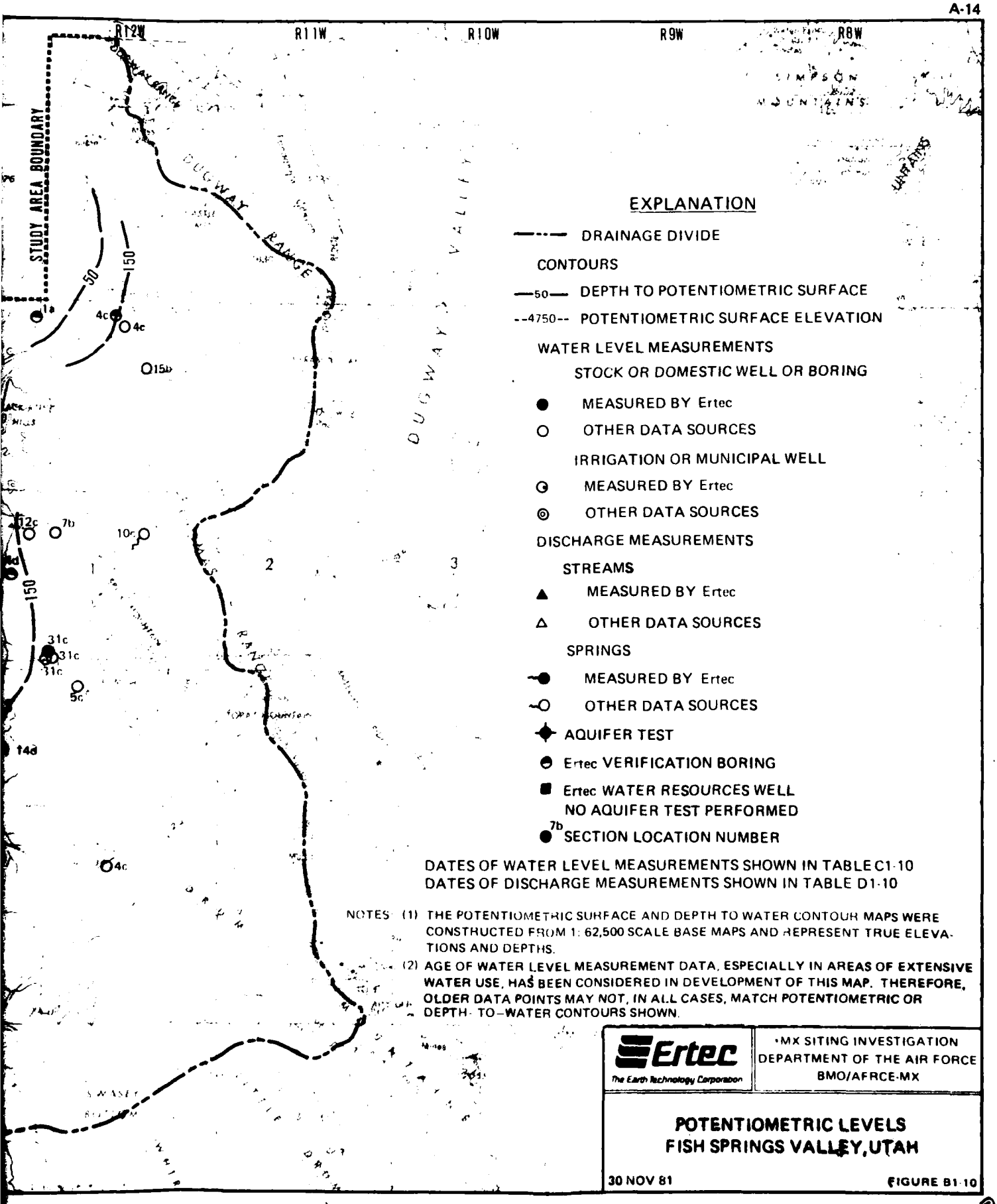
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX

POTENTIOMETRIC LEVELS DUGWAY VALLEY, UTAH

30 NOV 81

FIGURE B1-9


R15W
R14W
R13W
R12W
R11W
T9S
T10S
T11S
T12S
T13S
T14S
T15S
STUDY AREA BOUNDARY
DUGWAY
PROVING GROUND
GREAT SALT LAKE
DESERT
FISH SPRINGS RANGE
DUGWAY RANGE
FISH SPRINGS FLAT
50
150
4400
1a
4a
3d
11b
11c
23a
23d
26a
26d
4c
15b
12c
7b
10c
15d
14d
23b
31c
5c
18c
25d
7d
9c
NORTH
SCALE 1: 250,000
0
5
10
STATUTE MILES
KILOMETERS



EXPLANATION

- DRAINAGE DIVIDE

CONTOURS

- —50— DEPTH TO POTENTIOMETRIC SURFACE
- --4750-- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- ● MEASURED BY Ertec
- ○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- ◉ MEASURED BY Ertec
- ◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- ▲ MEASURED BY Ertec
- △ OTHER DATA SOURCES

SPRINGS

- —● MEASURED BY Ertec
- —○ OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ◓ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-10
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-10

NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN.

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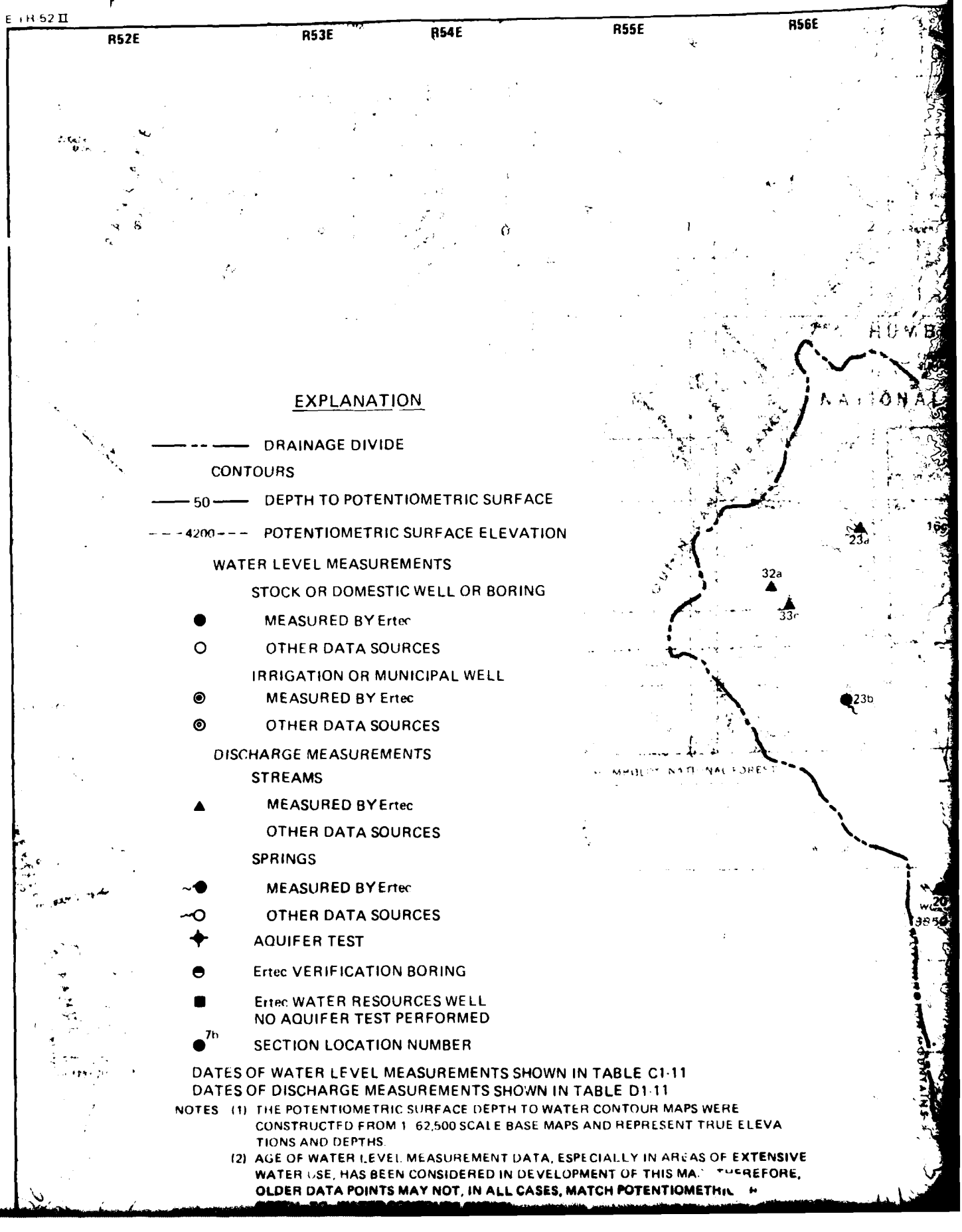
POTENTIOMETRIC LEVELS
FISH SPRINGS VALLEY, UTAH

30 NOV 81

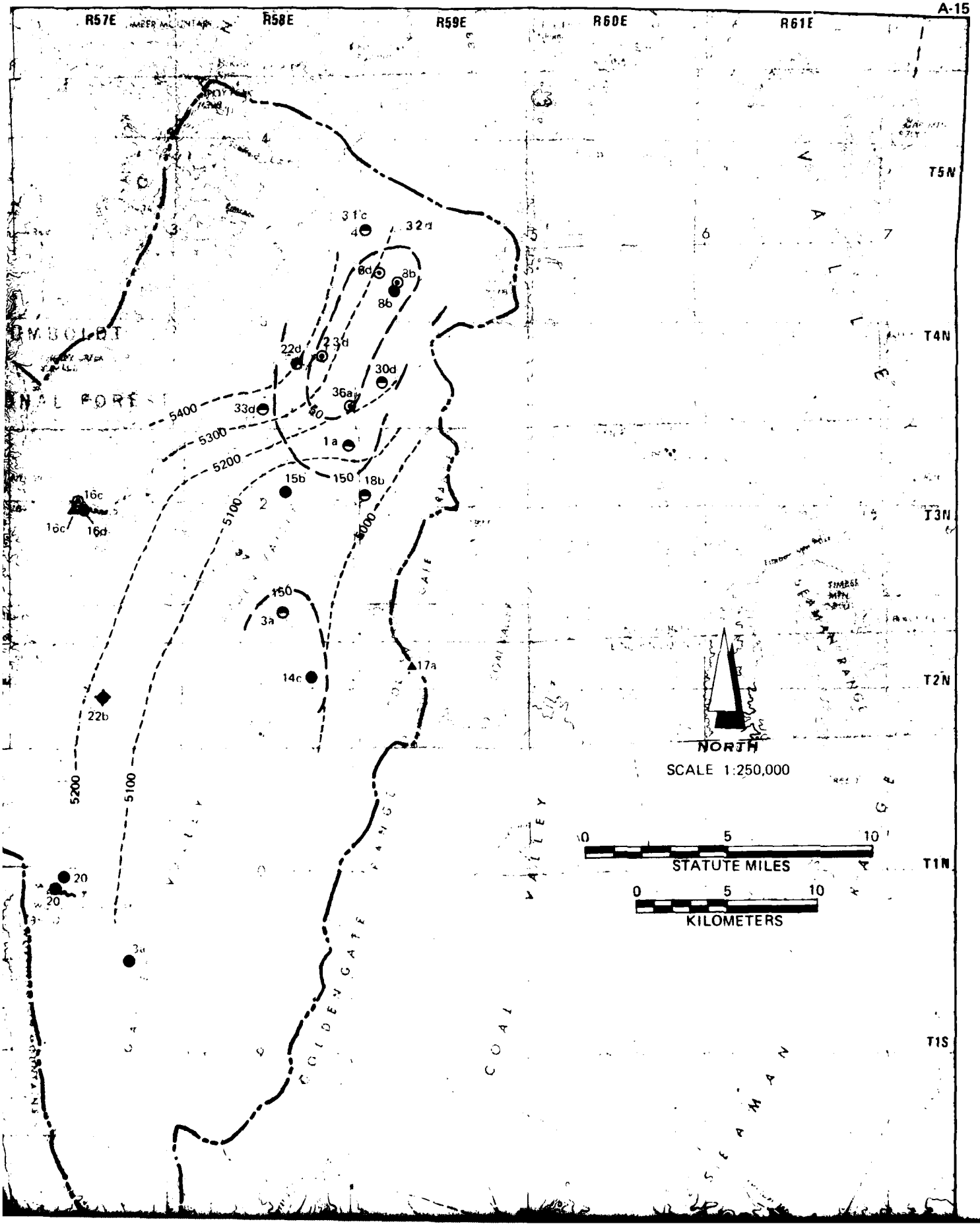
FIGURE B1-10

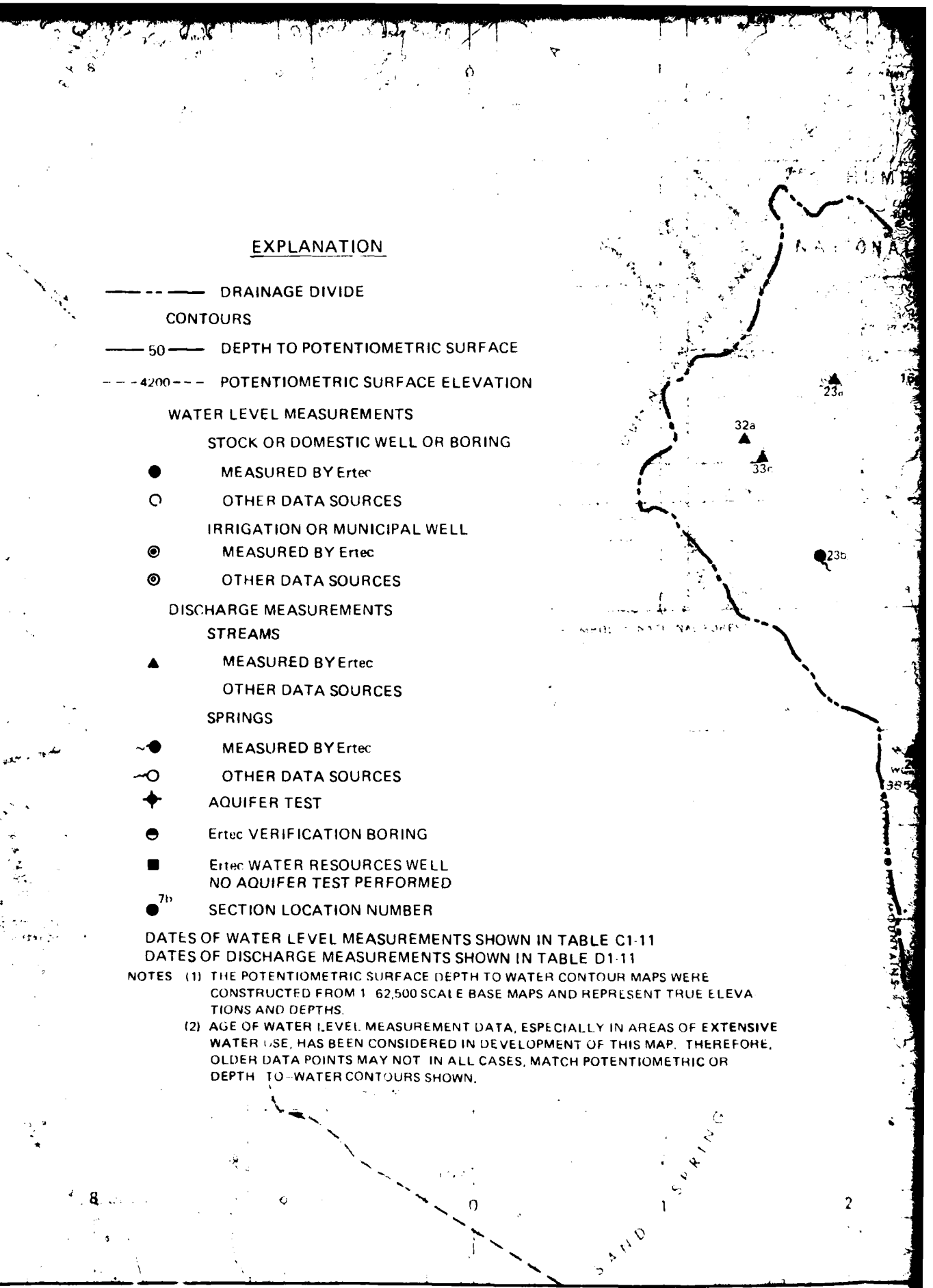


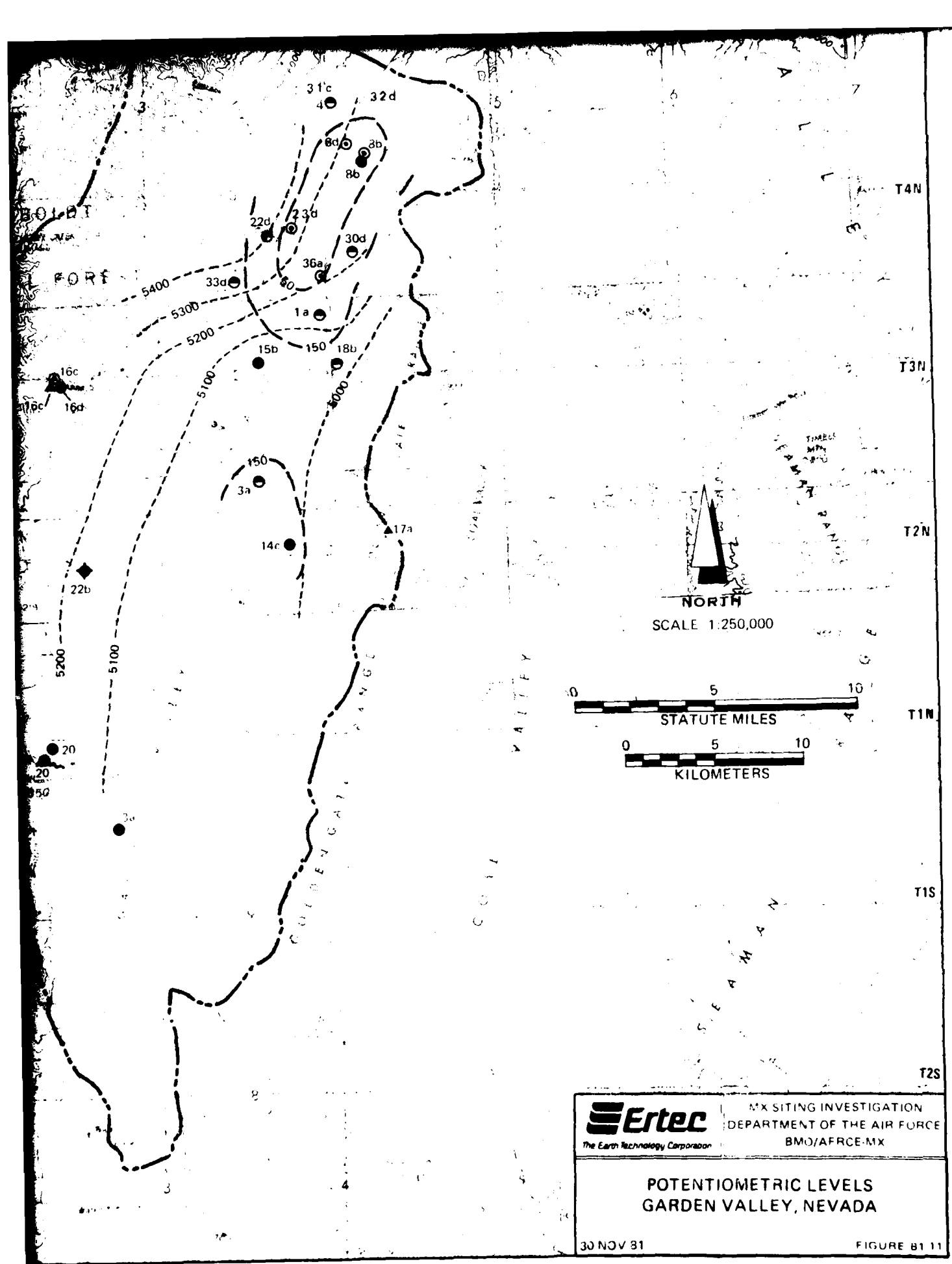
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-11
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-11

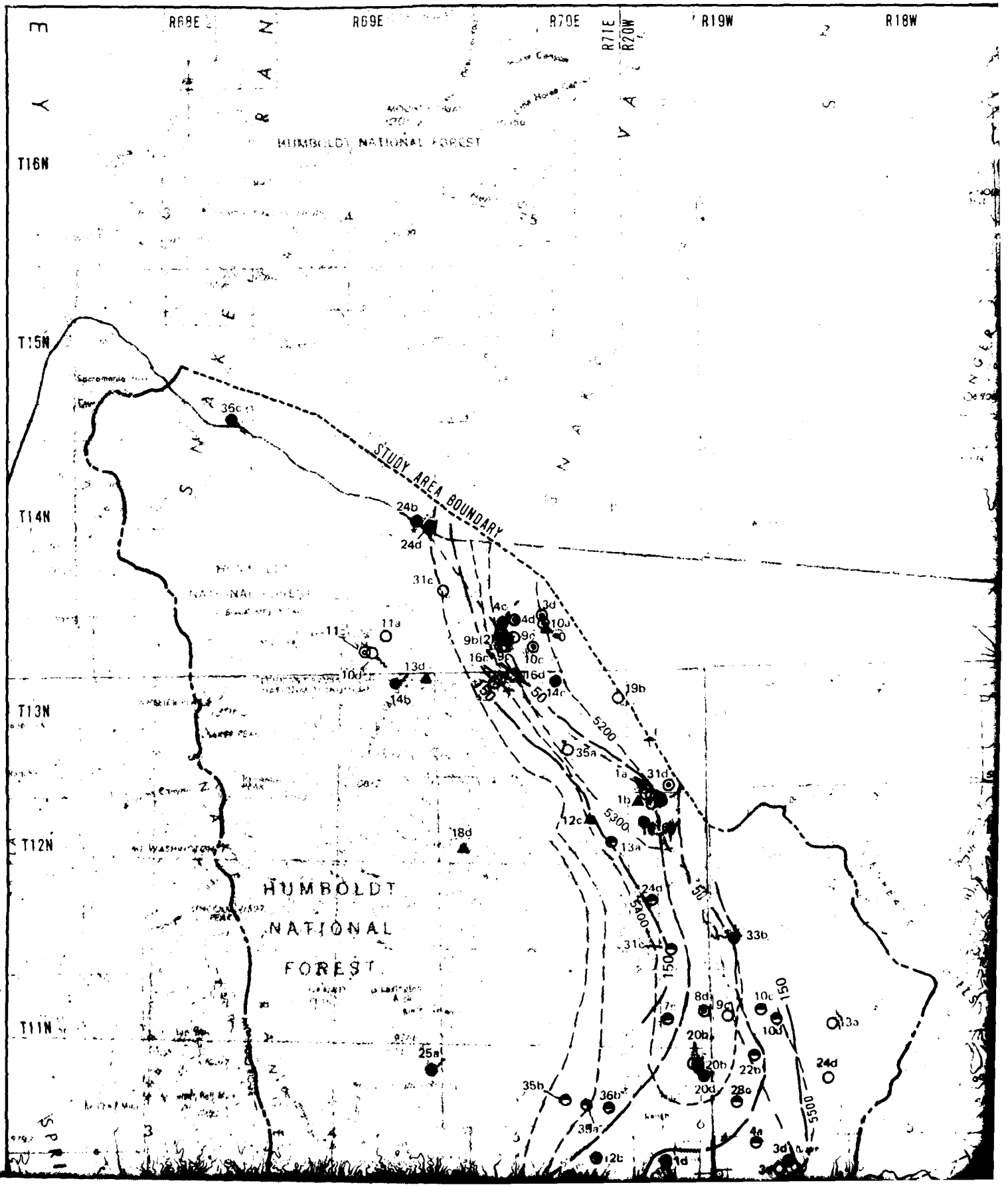
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

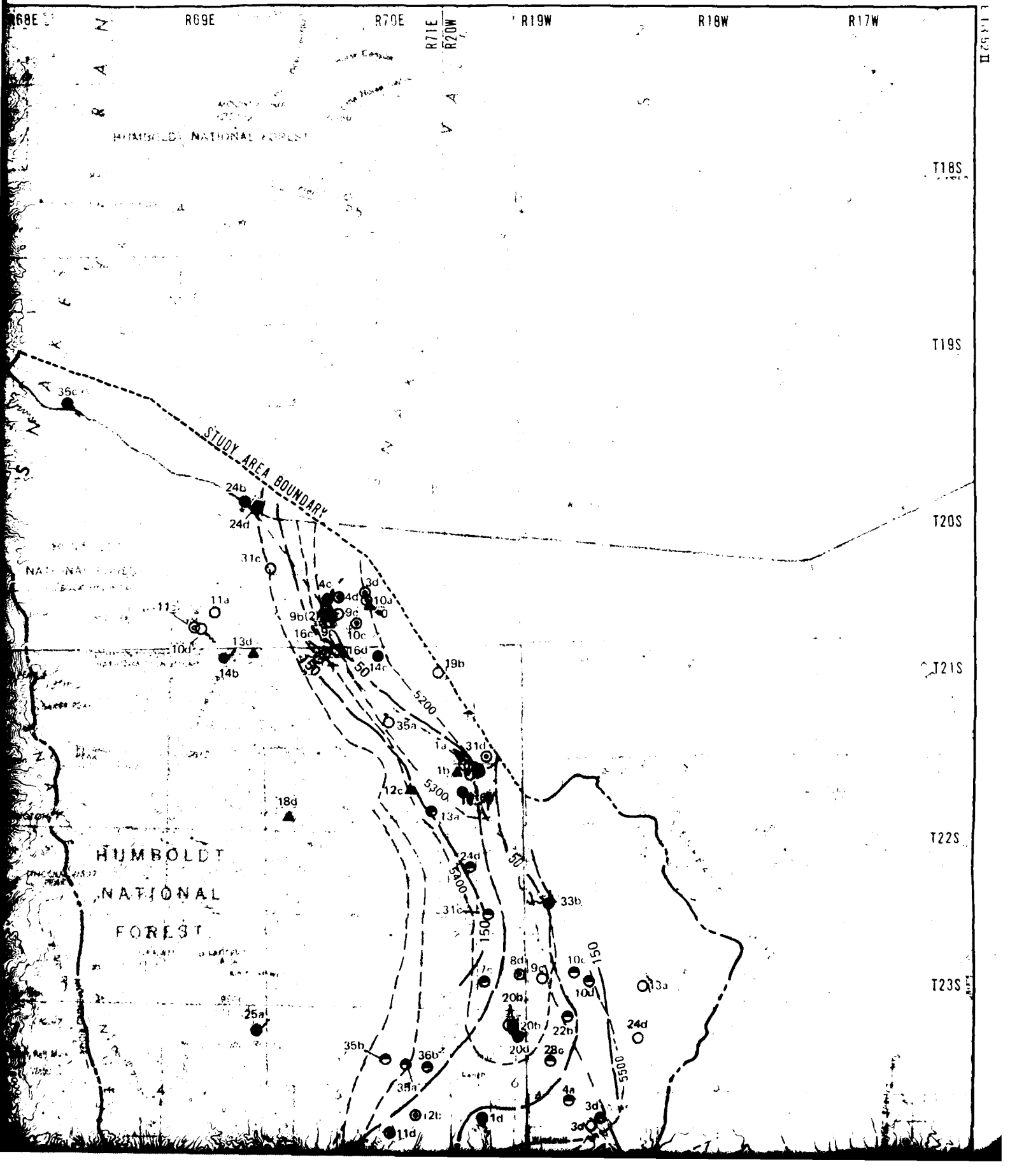
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MA[illegible] THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC

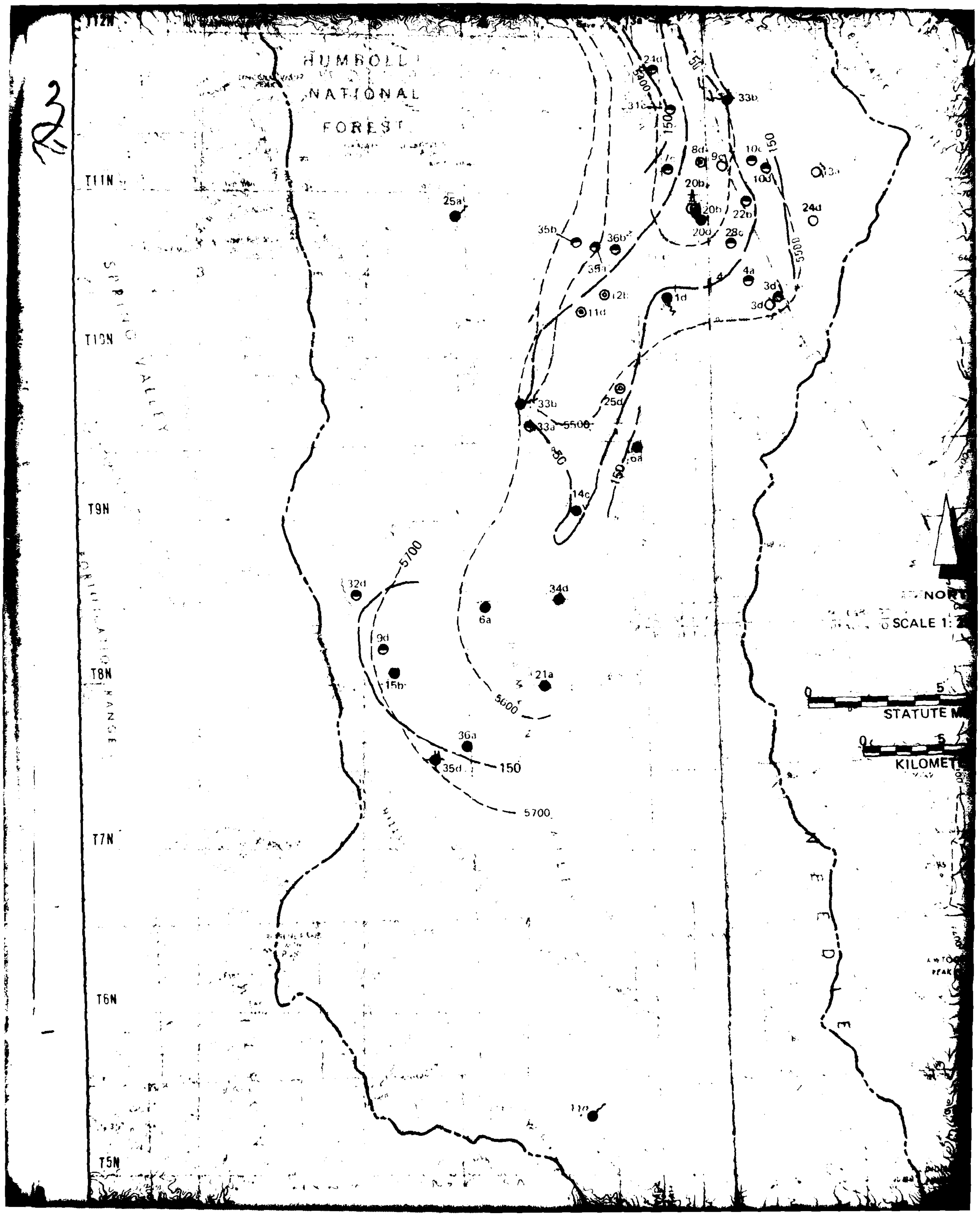

R57E
R58E
R59E
R60E
R61E
T5N
T4N
T3N
T2N
T1N
T1S
HUMBOLDT
FINAL FORT
5400
5300
5200
5100
5000
150
31c
32d
8d
8b
8b
22d
23d
30d
36a
33d
1a
15b
18b
16c
16c
16d
3a
14c
17a
22b
20
20
3a
NORTH
SCALE 1:250,000
0 5 10
STATUTE MILES
0 5 10
KILOMETERS


EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
4200 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-11
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-11
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO-WATER CONTOURS SHOWN.
23a
32a
33c
23b

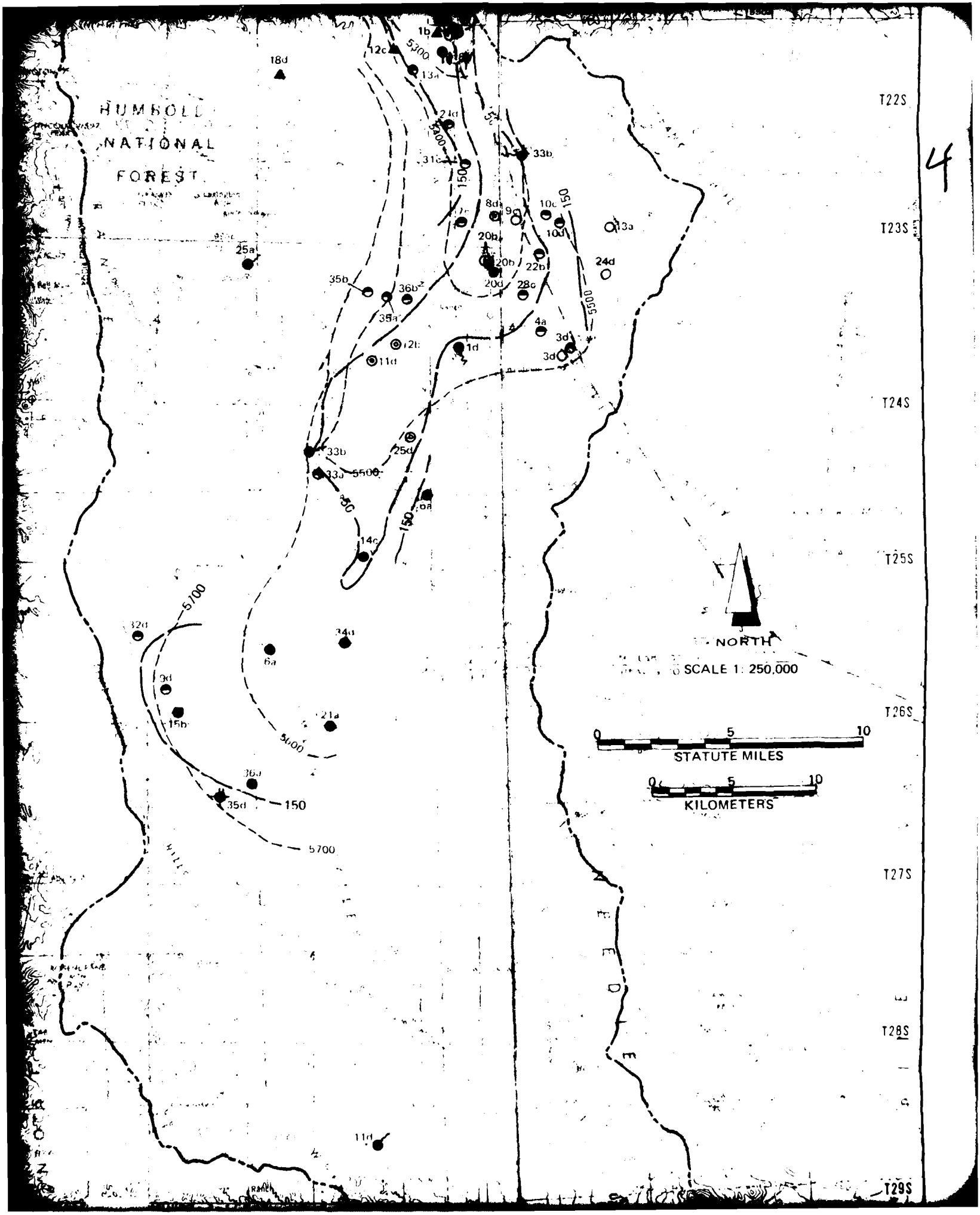

T4N
T3N
T2N
T1N
T1S
T2S
NORTH
SCALE 1:250,000
0 5 10
STATUTE MILES
0 5 10
KILOMETERS
5400
5300
5200
5100
5000
150
31c
32d
8d
8b
22d
23d
30d
36a
33d
1a
15b
18b
16c
16d
3a
14c
17a
22b
20
Ertec
The Earth Technology Corporation
MX SITING INVESTIGATION
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX
POTENTIOMETRIC LEVELS
GARDEN VALLEY, NEVADA
30 NOV 81
FIGURE B1 11


R68E
R69E
R70E
R71E
R20W
R19W
R18W
T16N
T15N
T14N
T13N
T12N
T11N
HUMBOLDT NATIONAL FOREST
STUDY AREA BOUNDARY
HUMBOLDT
NATIONAL
FOREST
5200
5300
5400
5500
150
50

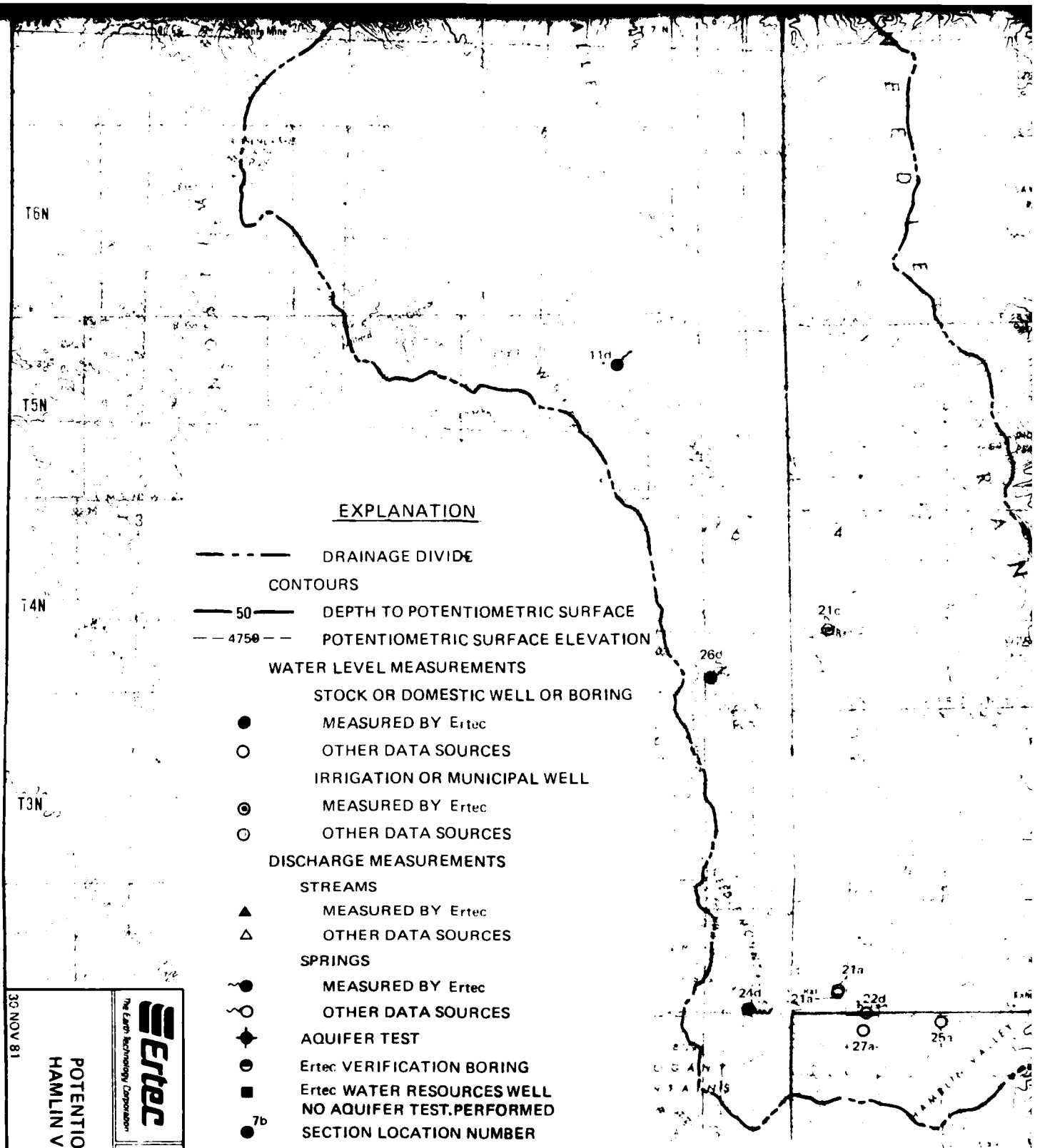

R68E
R69E
R70E
R71E
R20W
R19W
R18W
R17W
T18S
T19S
T20S
T21S
T22S
T23S
HUMBOLDT NATIONAL FOREST
STUDY AREA BOUNDARY
5200
5300
5400
5500
150
50



HUMBOLDT
NATIONAL
FOREST
T12N
T11N
T10N
T9N
T8N
T7N
T6N
T5N
SPRING VALLEY
NORTH
SCALE 1:
STATUTE MI
KILOMETERS
5500
5600
5700
150
50


HUMBOLDT
NATIONAL
FOREST
T22S
T23S
T24S
T25S
T26S
T27S
T28S
T29S
5300
5400
5500
5700
150
NORTH
SCALE 1: 250,000
0 5 10
STATUTE MILES
0 5 10
KILOMETERS

4



DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-12
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-12

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN.

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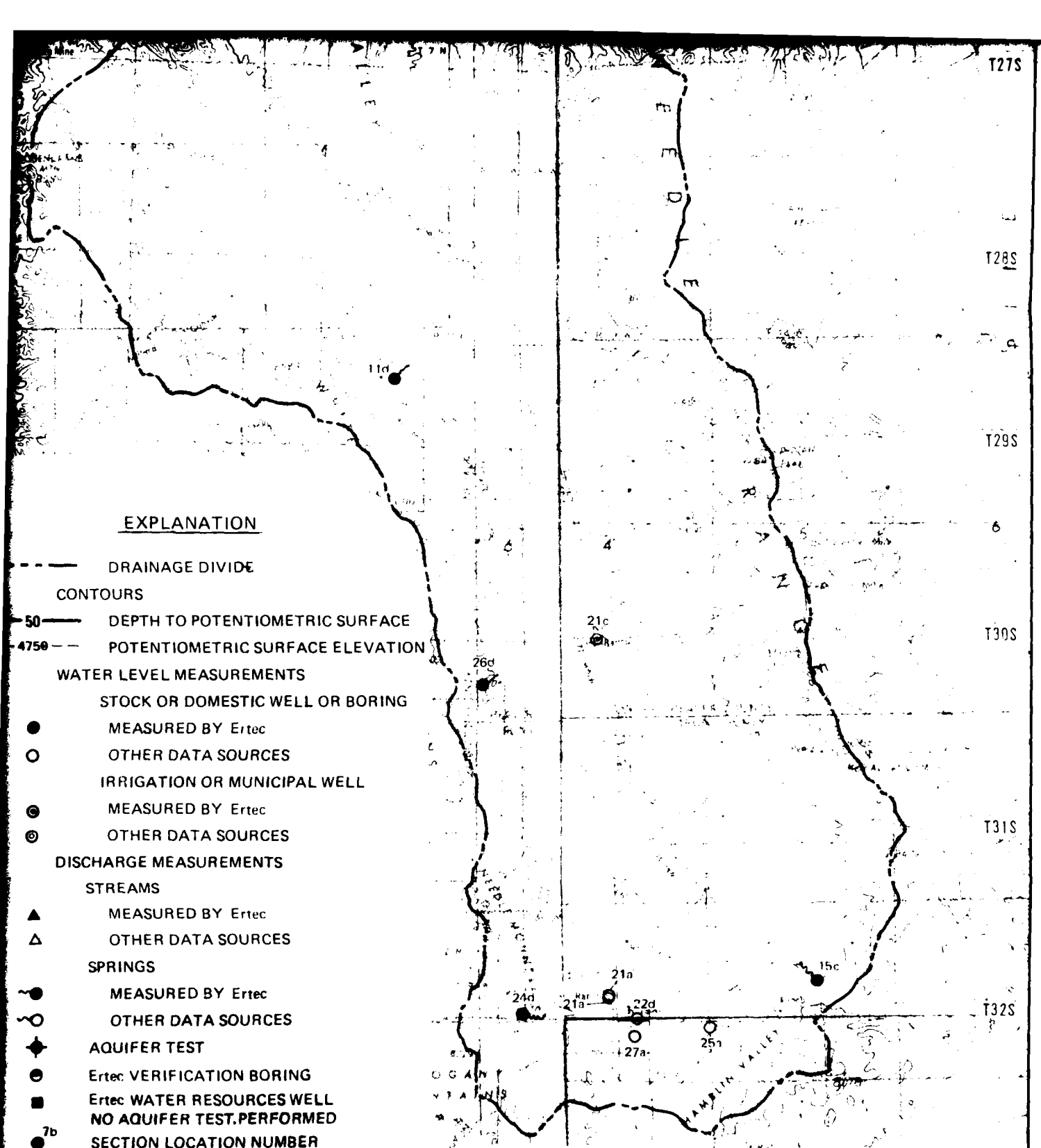
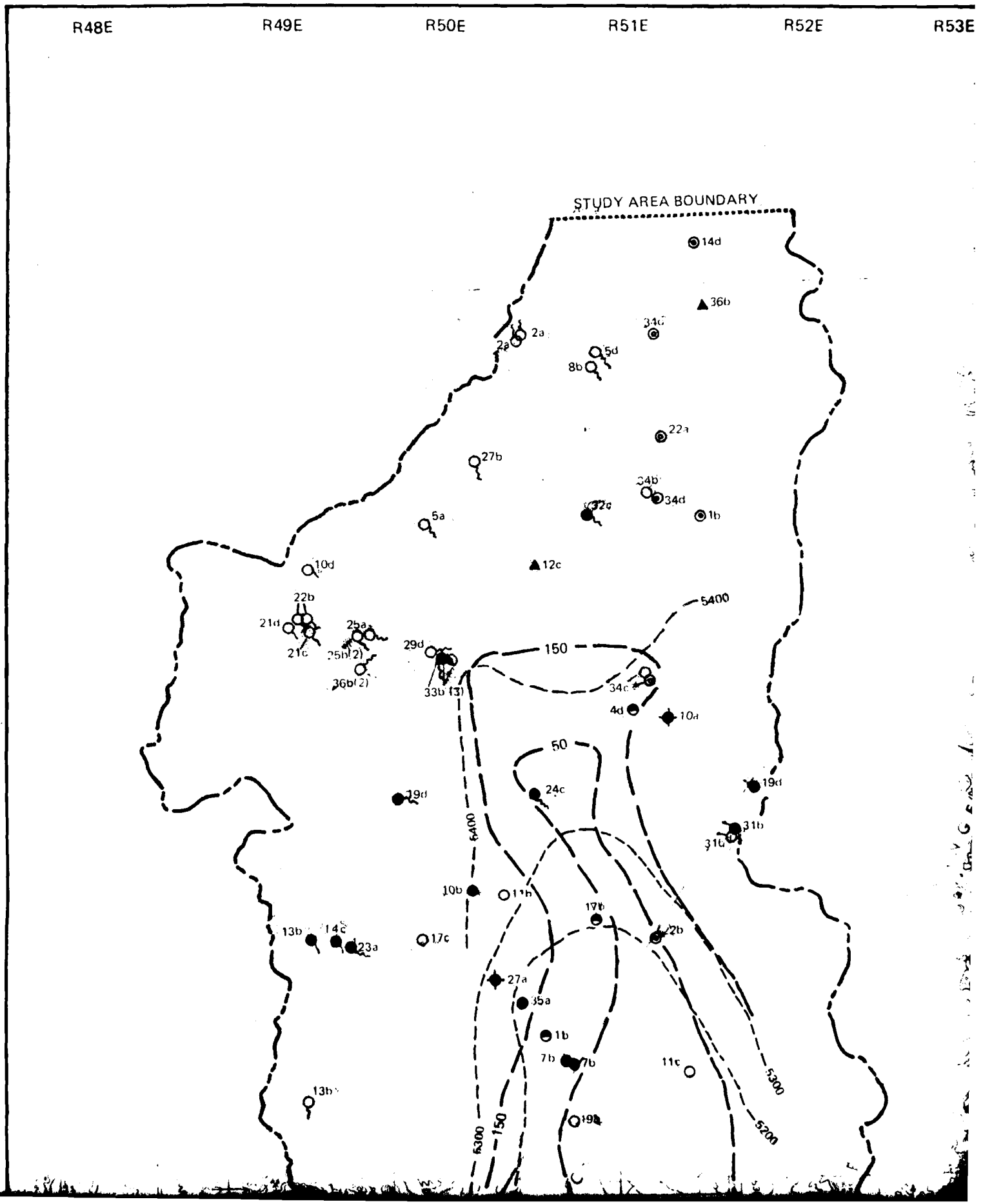
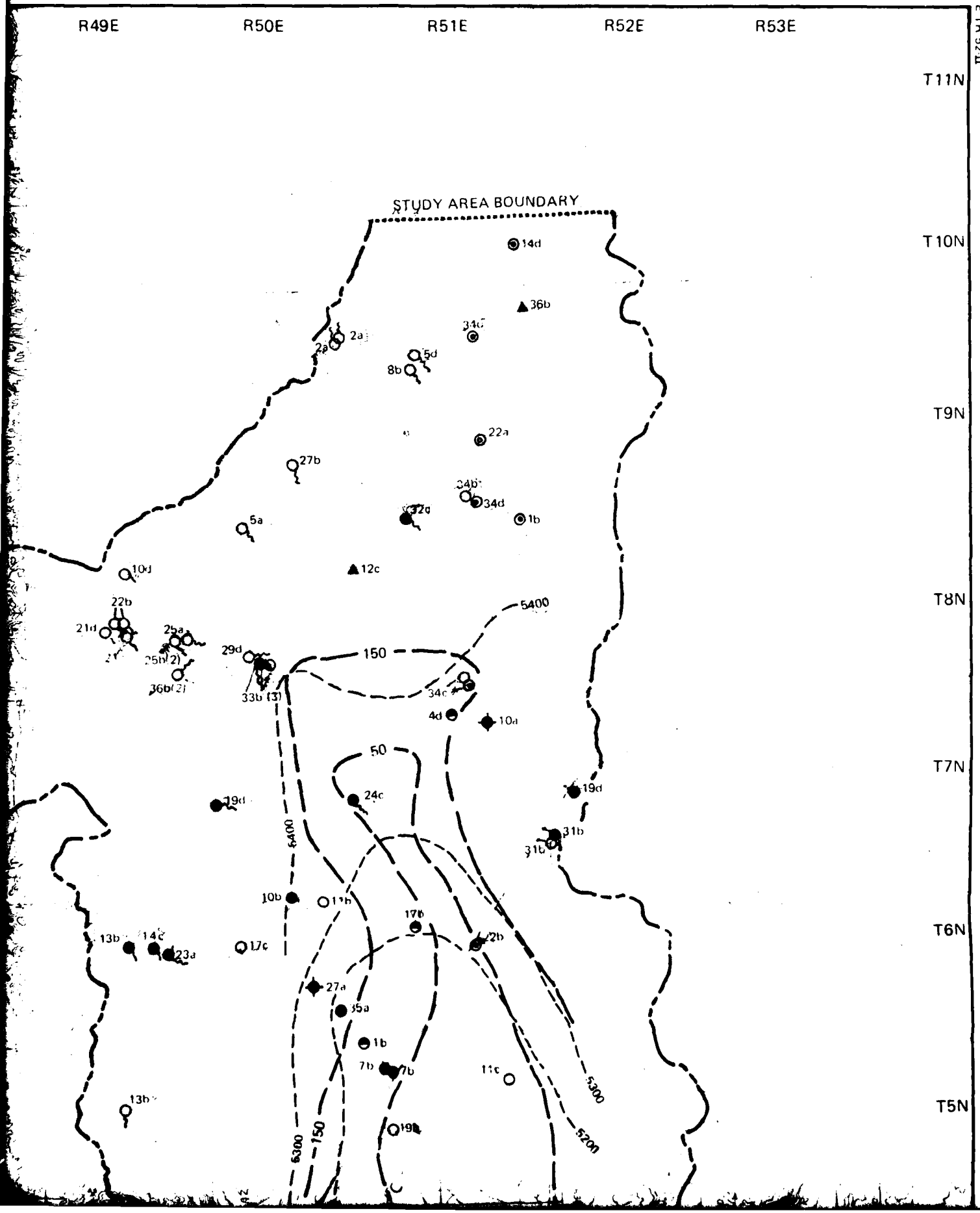
POTENTIOMETRIC LEVELS
HAMLIN VALLEY, NEVADA

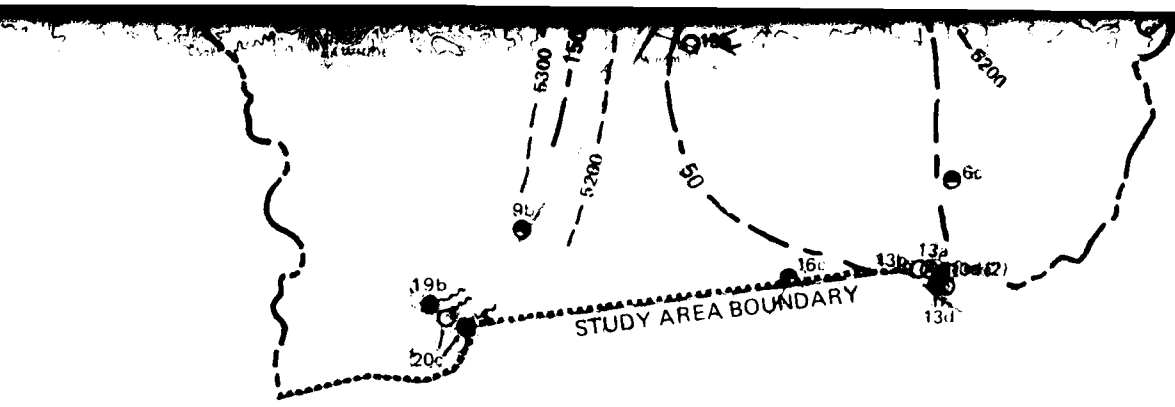
30 NOV 81

FIGURE B1-12


T27S
T28S
T29S
T30S
T31S
T32S
T33S
11d
21c
26d
21a
22d
24d
15c
27a
25a
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
4750 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-12
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-12
NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.


R48E
R49E
R50E
R51E
R52E
R53E
STUDY AREA BOUNDARY
14d
36b
34c
2a
2a
5d
8b
22a
27b
34b
34d
32c
1b
5a
12c
10d
22b
21d
25a
21c
25b(2)
36b(2)
29d
33b(3)
5400
150
34c
4d
10a
50
19d
24c
19d
31b
31c
5400
10b
17b
17b
12b
13b
14c
23a
17c
27a
35a
1b
7b
7b
11c
5300
13b
5300
150
5200


R49E
R50E
R51E
R52E
R53E
T11N
T10N
T9N
T8N
T7N
T6N
T5N
STUDY AREA BOUNDARY
5400
150
50
6400
6300
5300
5200



NORTH
SCALE 1:250,000

0 5 10
STATUTE MILES
0 5 10
KILOMETERS

EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- —50— DEPTH TO POTENTIOMETRIC SURFACE
- --5400-- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING
- ● MEASURED BY Ertec
- ○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL
- ◉ MEASURED BY Ertec
- ◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS
- ▲ MEASURED BY Ertec
- △ OTHER DATA SOURCES

SPRINGS
- MEASURED BY Ertec
- OTHER DATA SOURCES
- AQUIFER TEST
- Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-12
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-13

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS W
CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE
TIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF E
WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THE
OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC
DEPTH TO WATER CONTOURS SHOWN.

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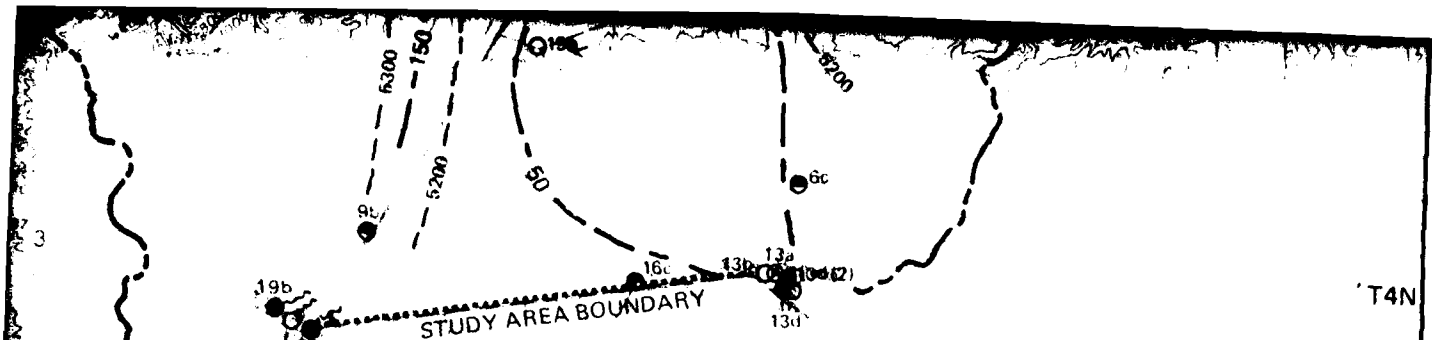
POTENTIOMETRIC LEVELS
HOT CREEK VALLEY, NEVADA

30 NOV 81

FIGURE B1-13



NORTH

SCALE 1:250,000

5 10

STATUTE MILES

5 10

KILOMETERS

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

—50— DEPTH TO POTENTIOMETRIC SURFACE

--5400-- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

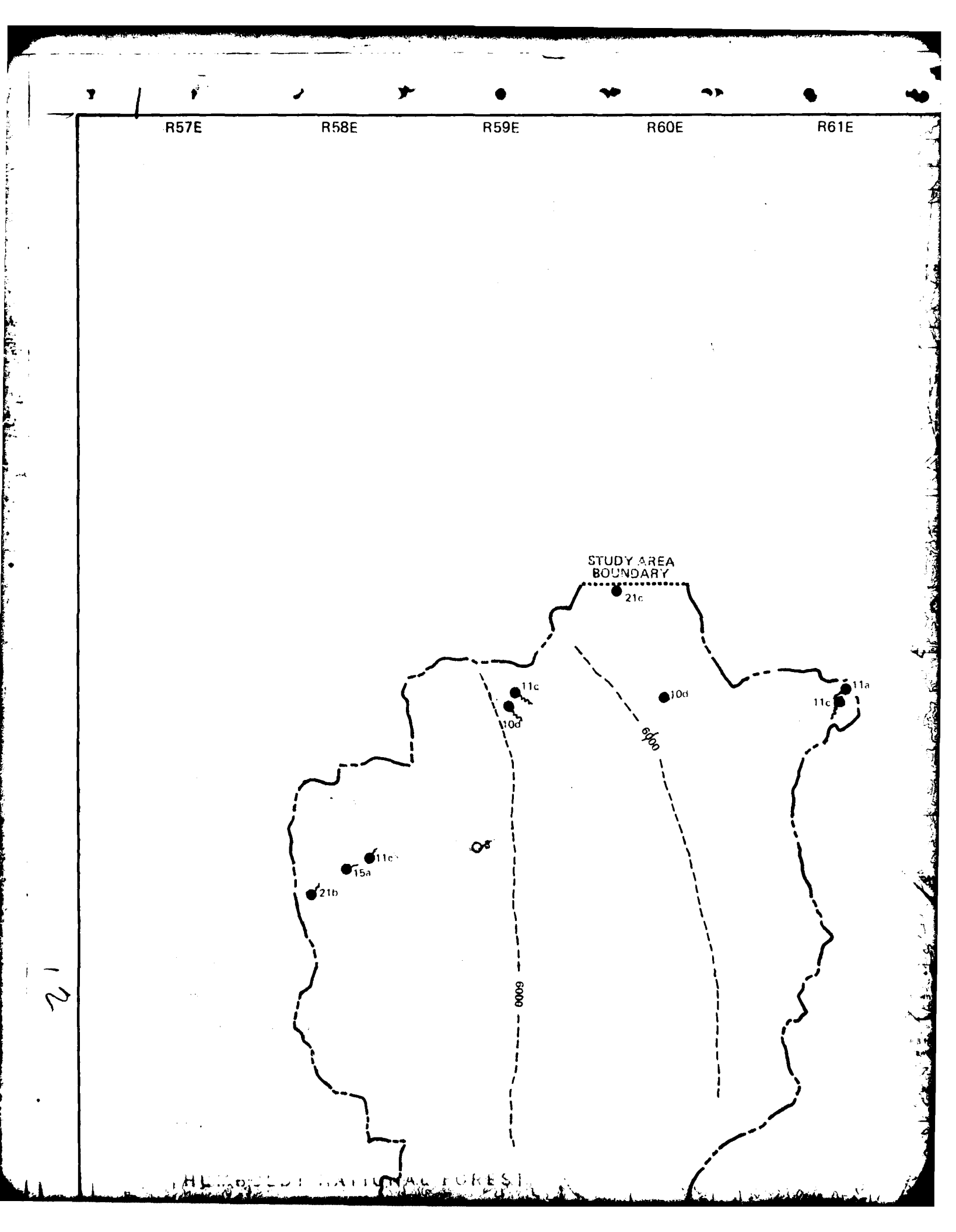
Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED

7b SECTION LOCATION NUMBER

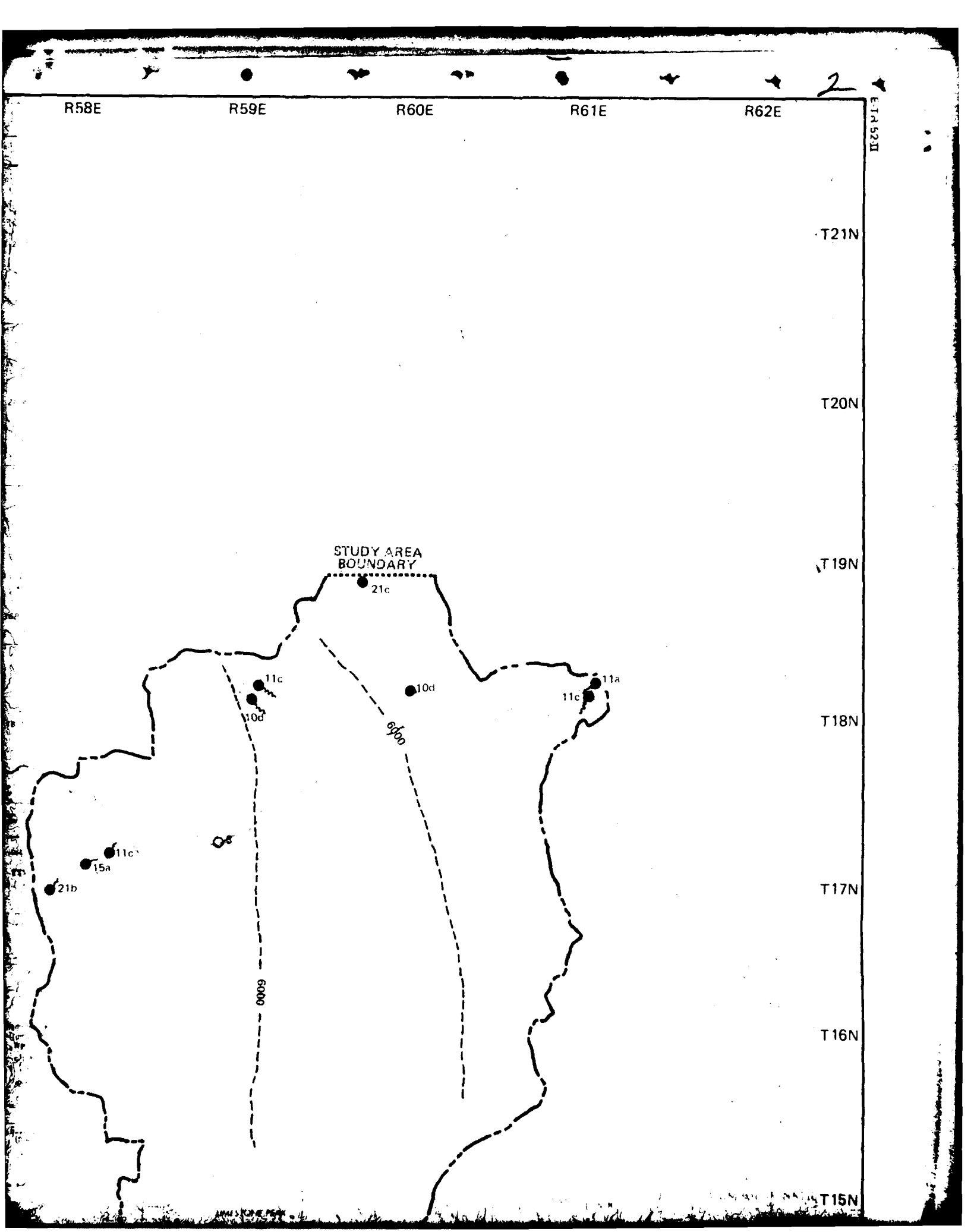
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-13
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-13

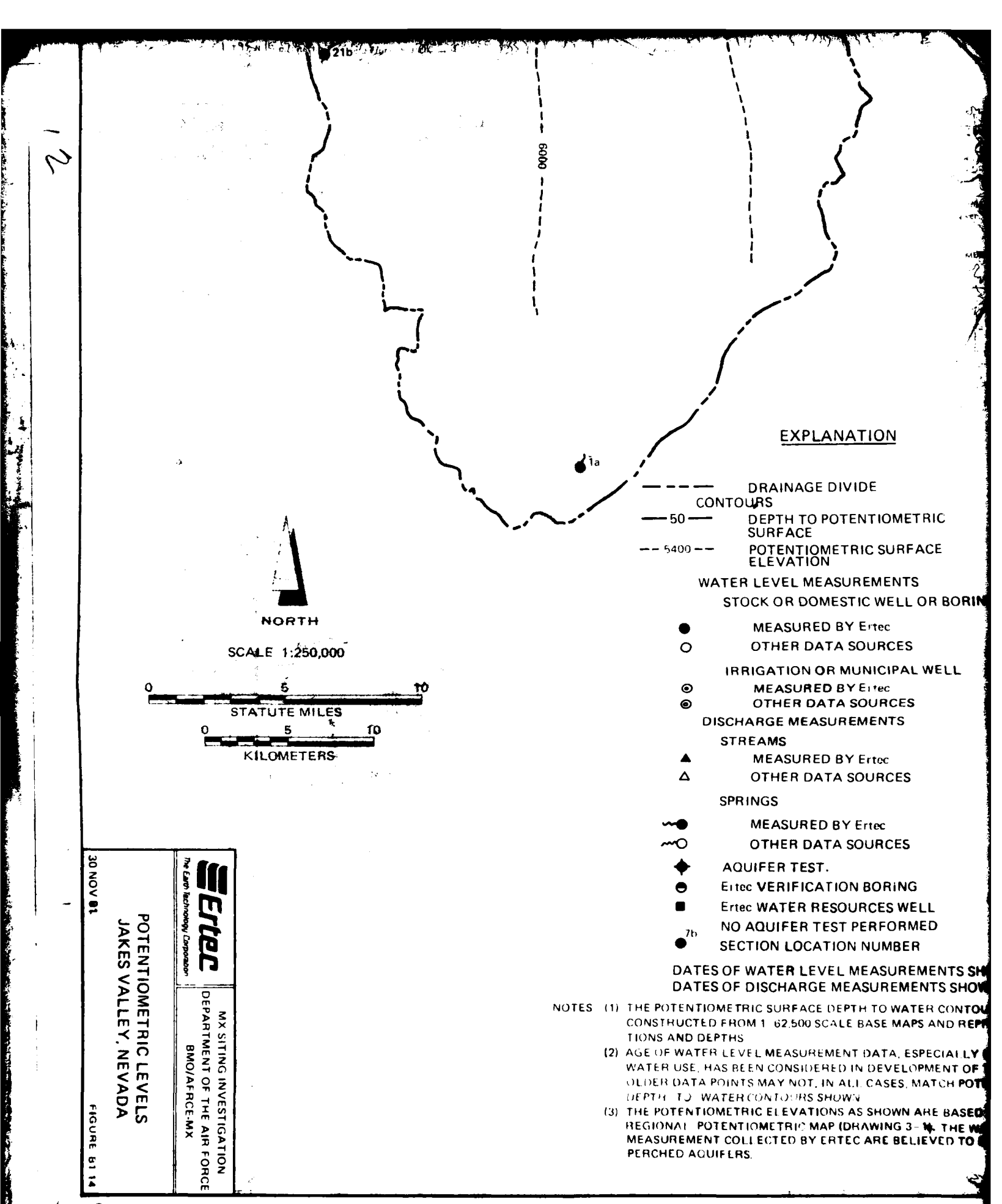
NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.


R57E
R58E
R59E
R60E
R61E
STUDY AREA BOUNDARY
21c
11c
10d
10d
6000
11a
11c
11c
15a
21b
6000

12


R58E
R59E
R60E
R61E
R62E
T21N
T20N
T19N
T18N
T17N
T16N
T15N
STUDY AREA BOUNDARY
21c
11c
10d
10d
11a
11c
11c
15a
21b
6000
6000



POTENTIOMETRIC LEVELS
JAKES VALLEY, NEVADA

30 NOV 81

FIGURE 81 14

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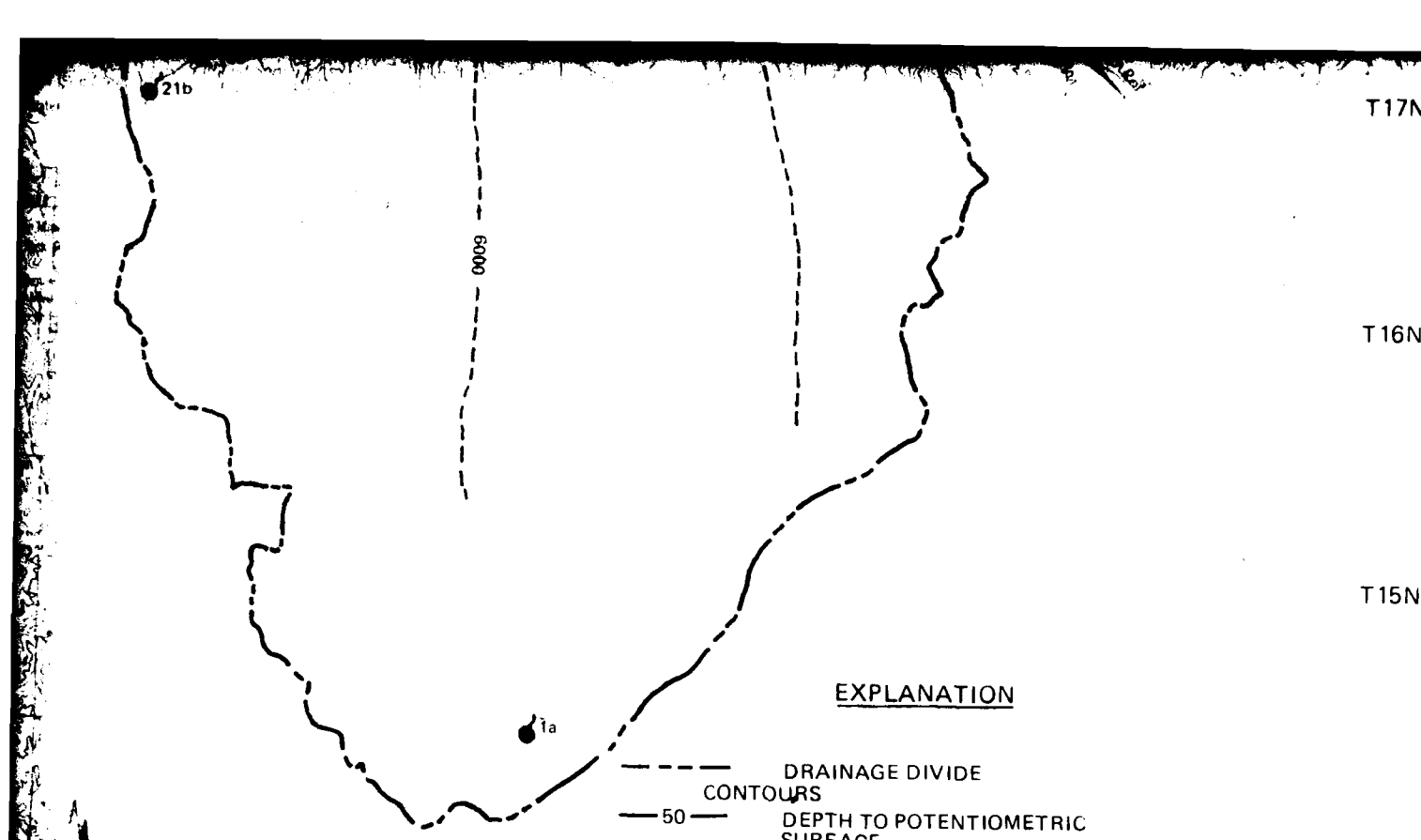
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX



T17N

T16N

T15N

T14N

T13N

T12N

T11N

T10N

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

—50— DEPTH TO POTENTIOMETRIC SURFACE

--5400-- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

⊙ MEASURED BY Ertec

◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

◆ AQUIFER TEST.

◓ Ertec VERIFICATION BORING

■ Ertec WATER RESOURCES WELL

NO AQUIFER TEST PERFORMED

● 7b SECTION LOCATION NUMBER

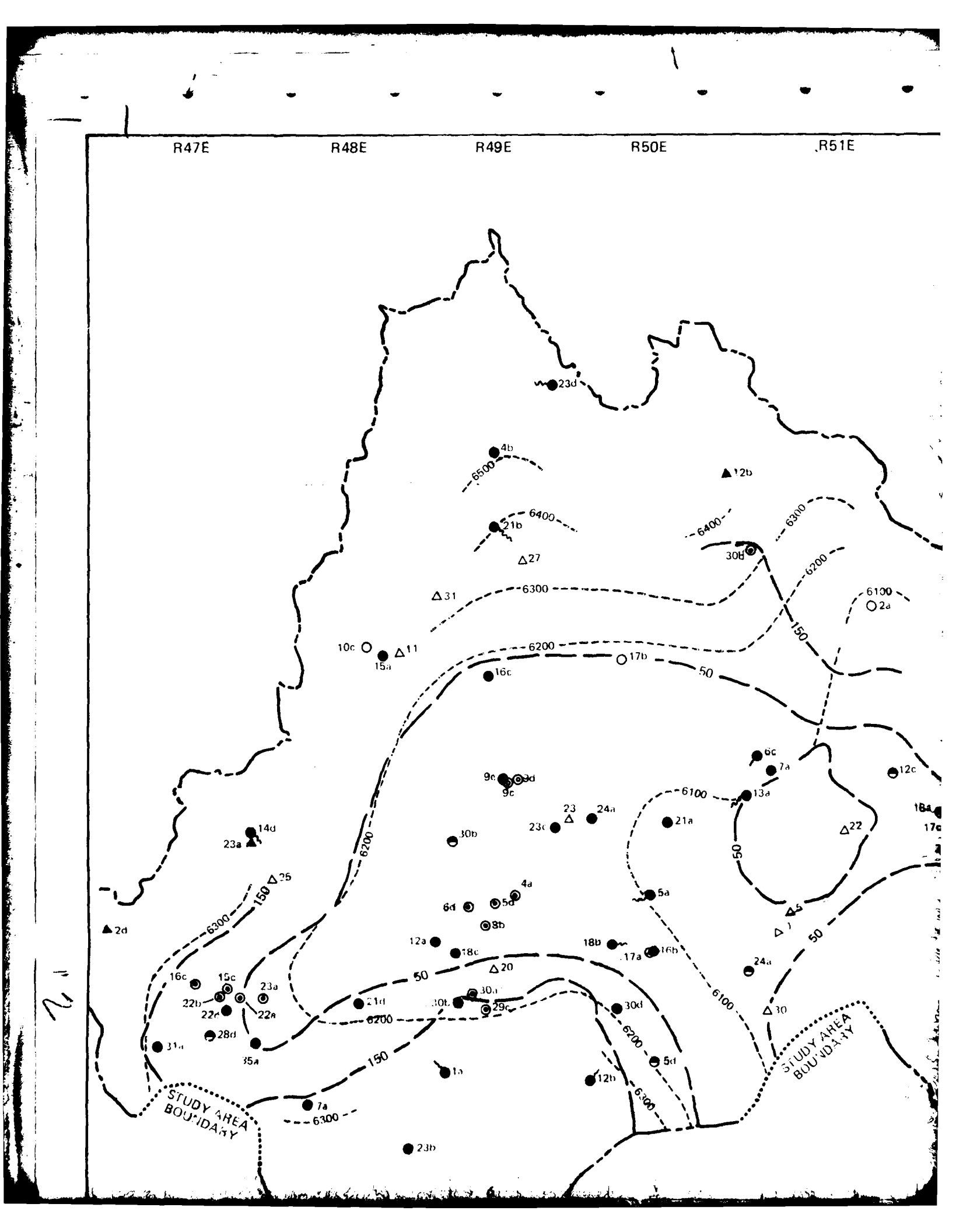
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-14
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-14

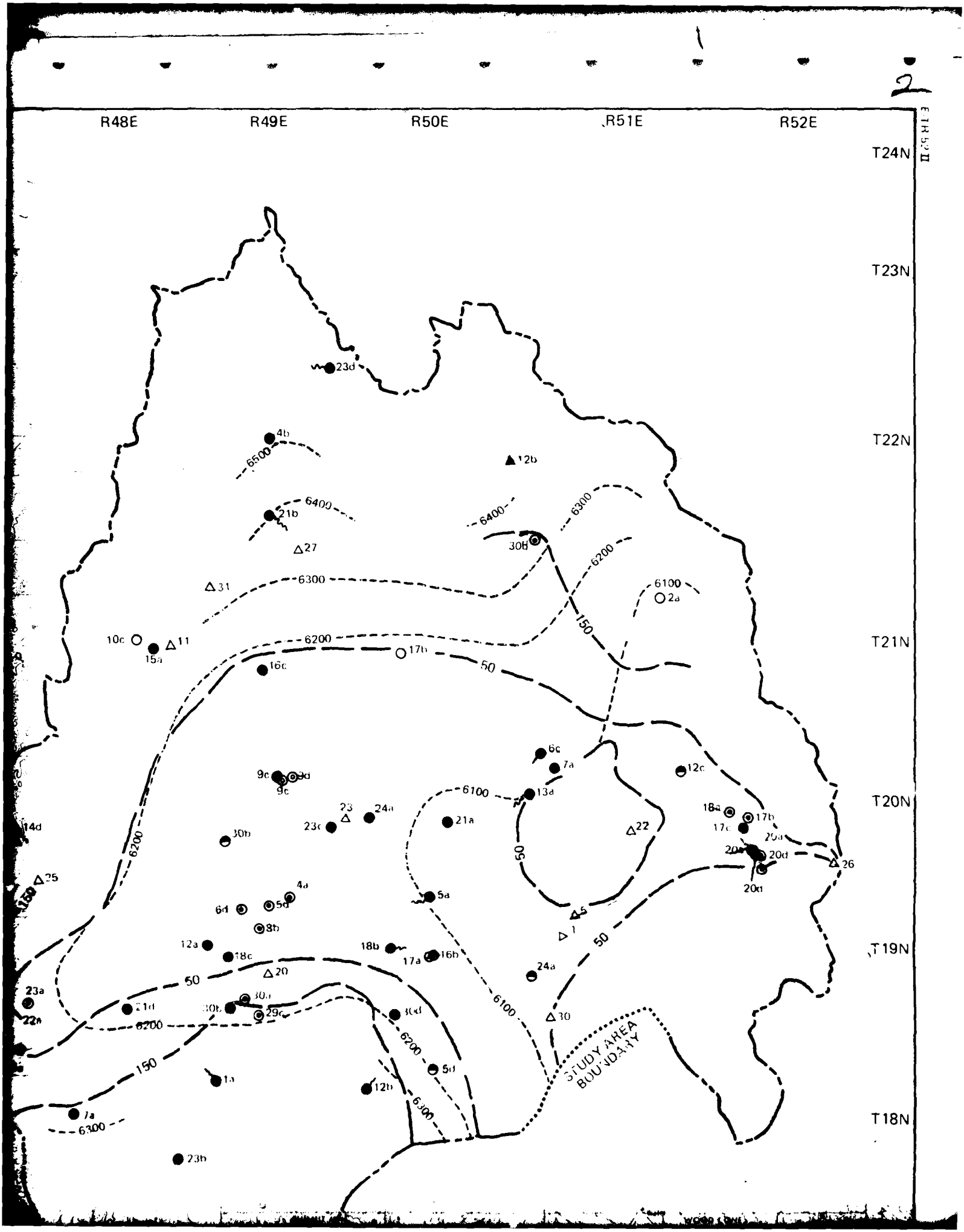
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

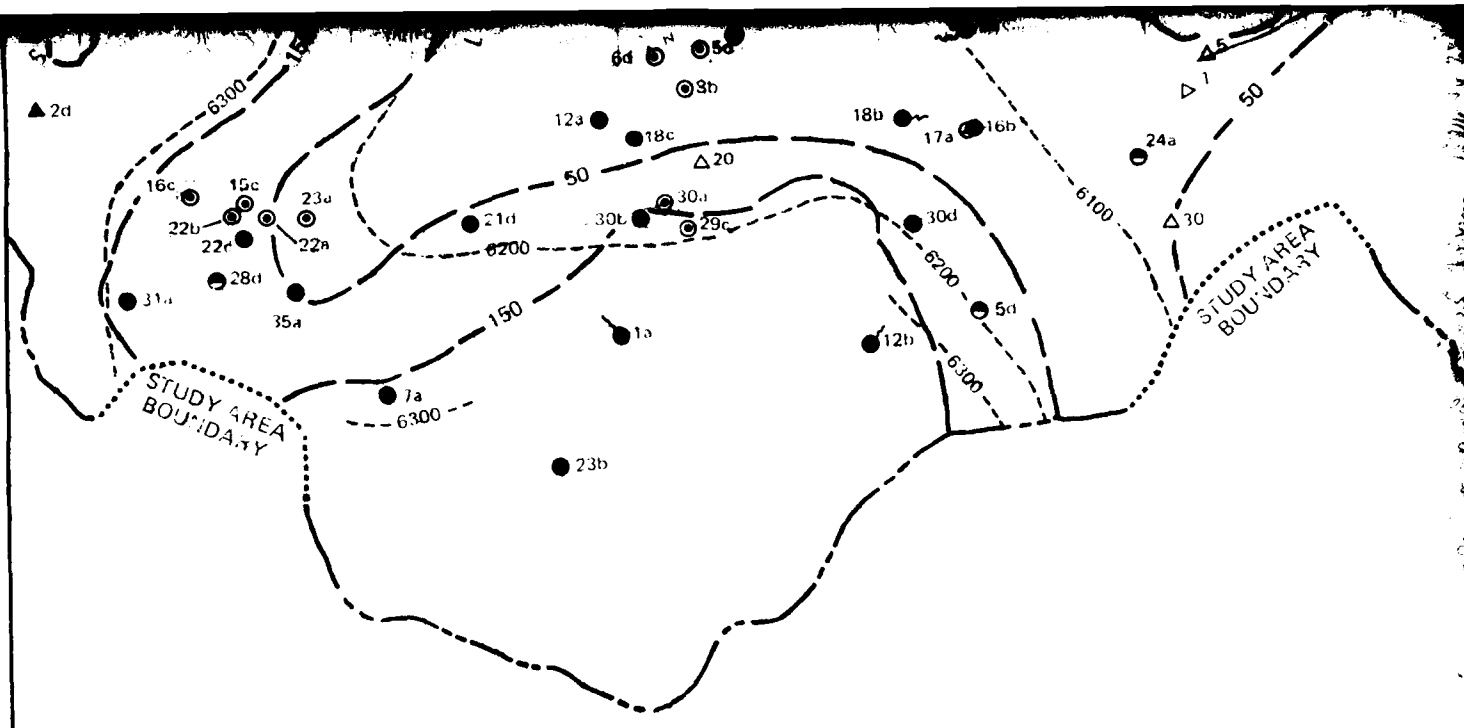
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN

(3) THE POTENTIOMETRIC ELEVATIONS AS SHOWN ARE BASED UPON THE PRELIMINARY REGIONAL POTENTIOMETRIC MAP (DRAWING 3-). THE WATER LEVEL MEASUREMENT COLLECTED BY ERTEC ARE BELIEVED TO BE FOR PERCHED AQUIFERS.

4


R47E
R48E
R49E
R50E
R51E
STUDY AREA BOUNDARY
STUDY AREA BOUNDARY
6500
6400
6300
6200
6100
150
50


R48E
R49E
R50E
R51E
R52E
T24N
T23N
T22N
T21N
T20N
T19N
T18N
6500
6400
6300
6200
6100
150
50
STUDY AREA BOUNDARY



EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
  - 50 — DEPTH TO POTENTIOMETRIC SURFACE
  - 5400 — POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◉ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ◓ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

NORTH

SCALE 1 250 000

0 10

STATUTE MILES

0 10

KILOMETERS

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-1

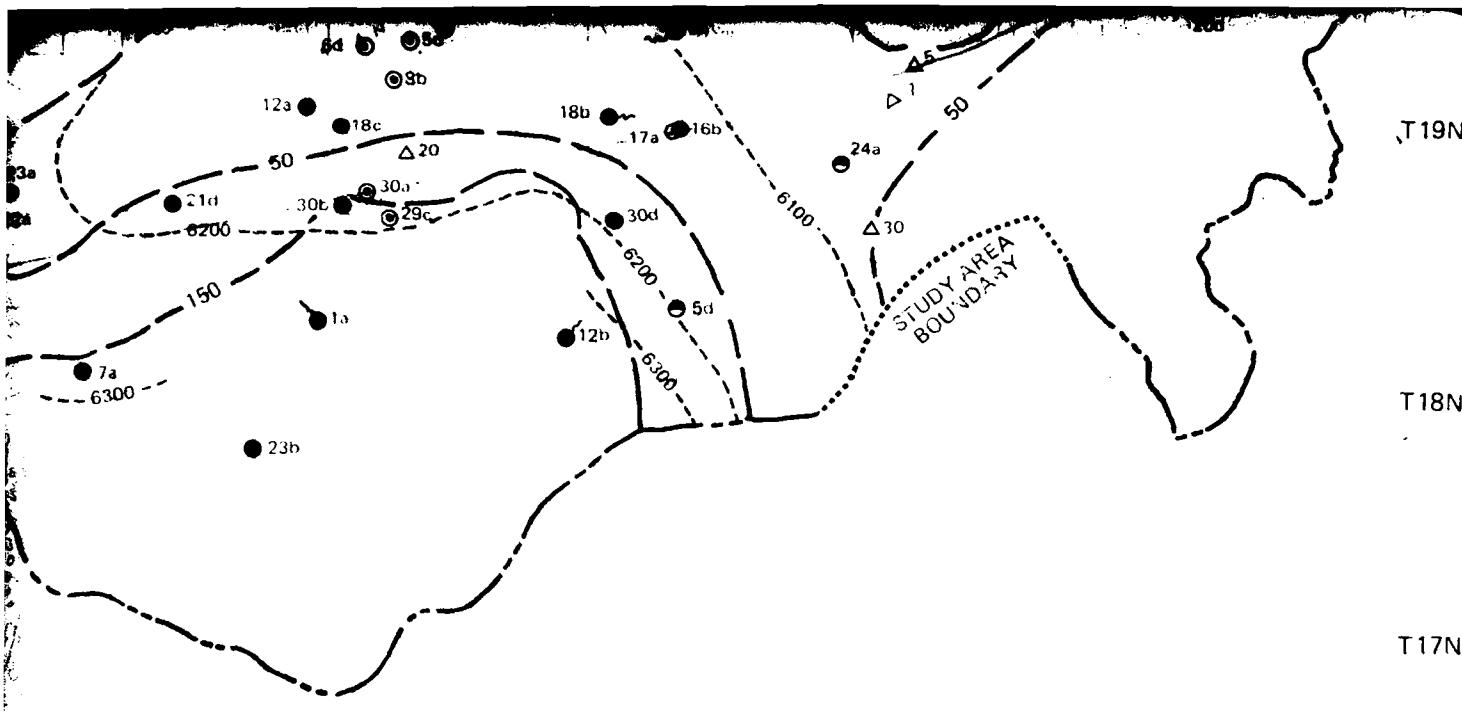
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOU
CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REP
TIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY
WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF
OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POT
DEPTH TO WATER CONTOURS SHOWN

Ertec

POTENTIOMETRIC
KOBEH VALLEY

30 NOV 81



EXPLANATION

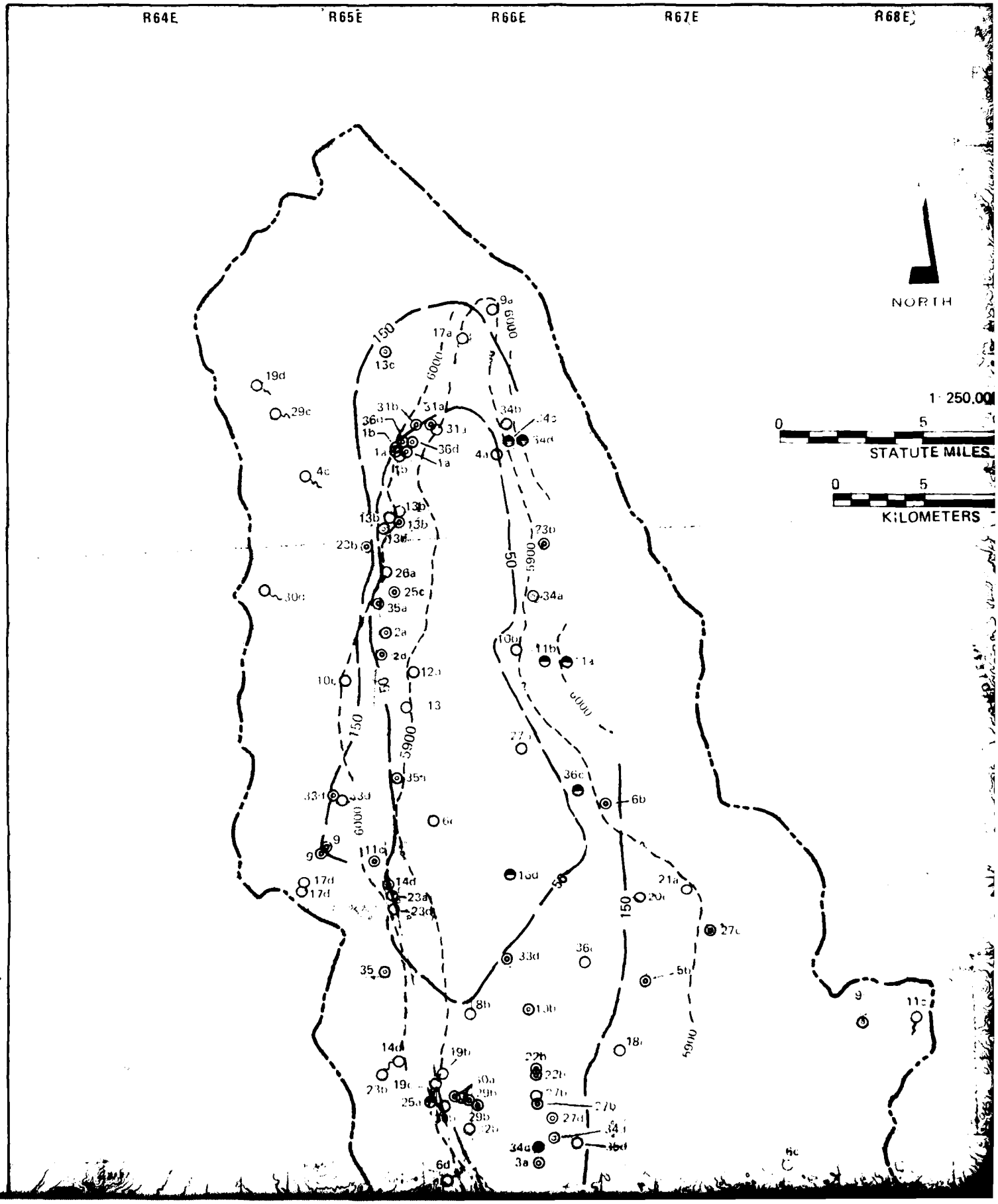
- DRAINAGE DIVIDE
- CONTOURS
- 50 — DEPTH TO POTENTIOMETRIC SURFACE
- 5400 — POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◉ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - ●– MEASURED BY Ertec
    - ○– OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ⊖ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

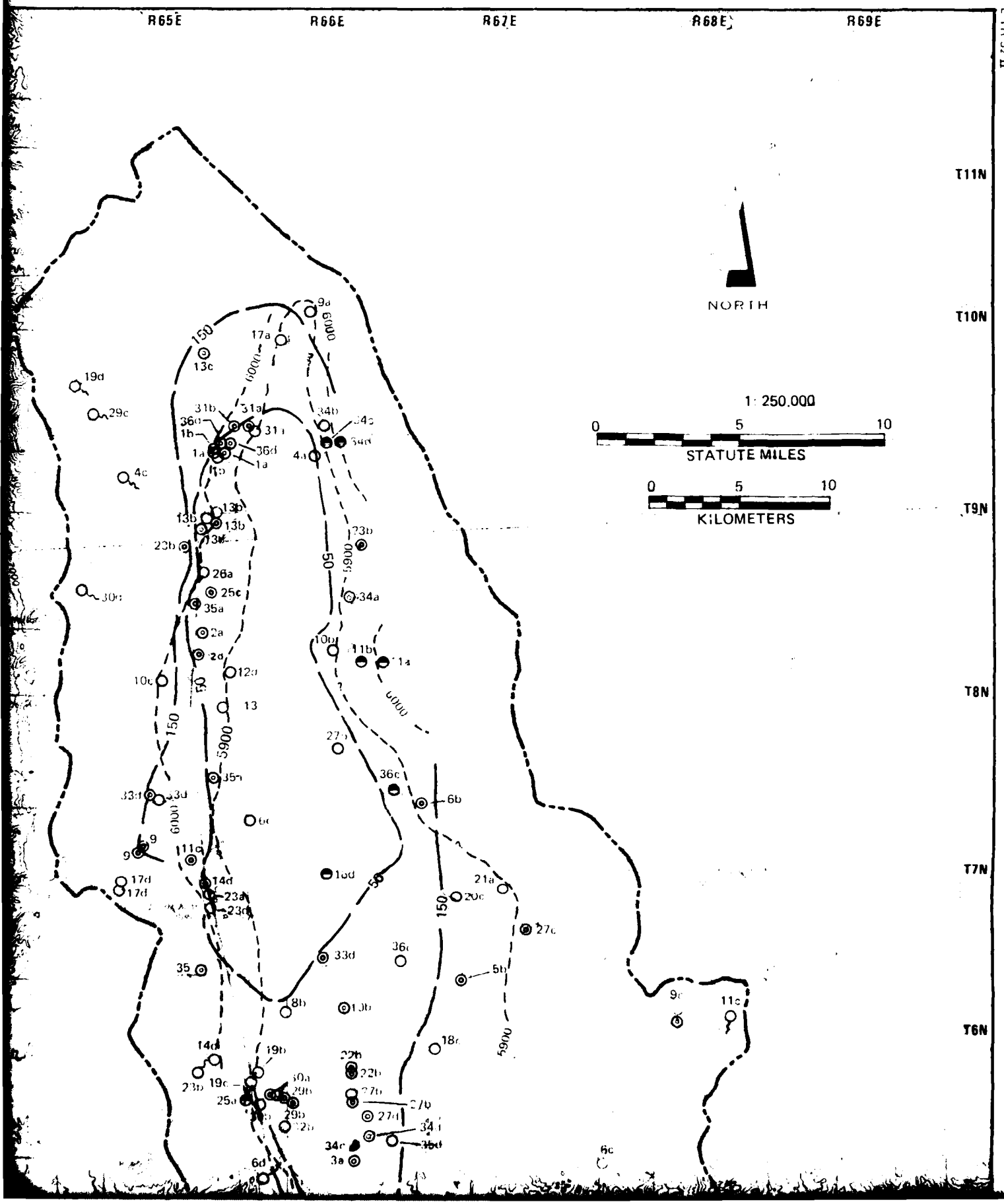
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-15
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-15

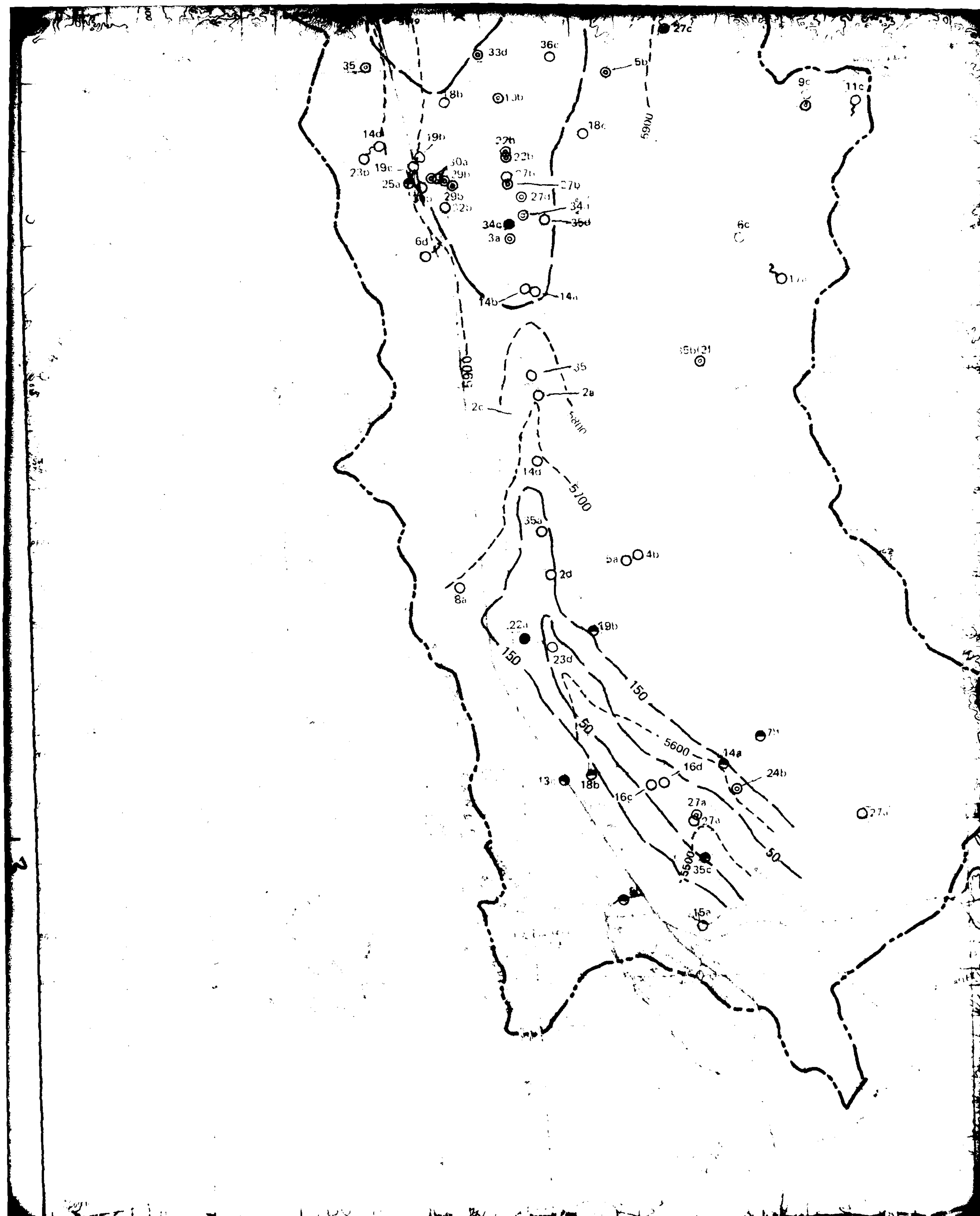
T16N T15N T14N T13N

NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

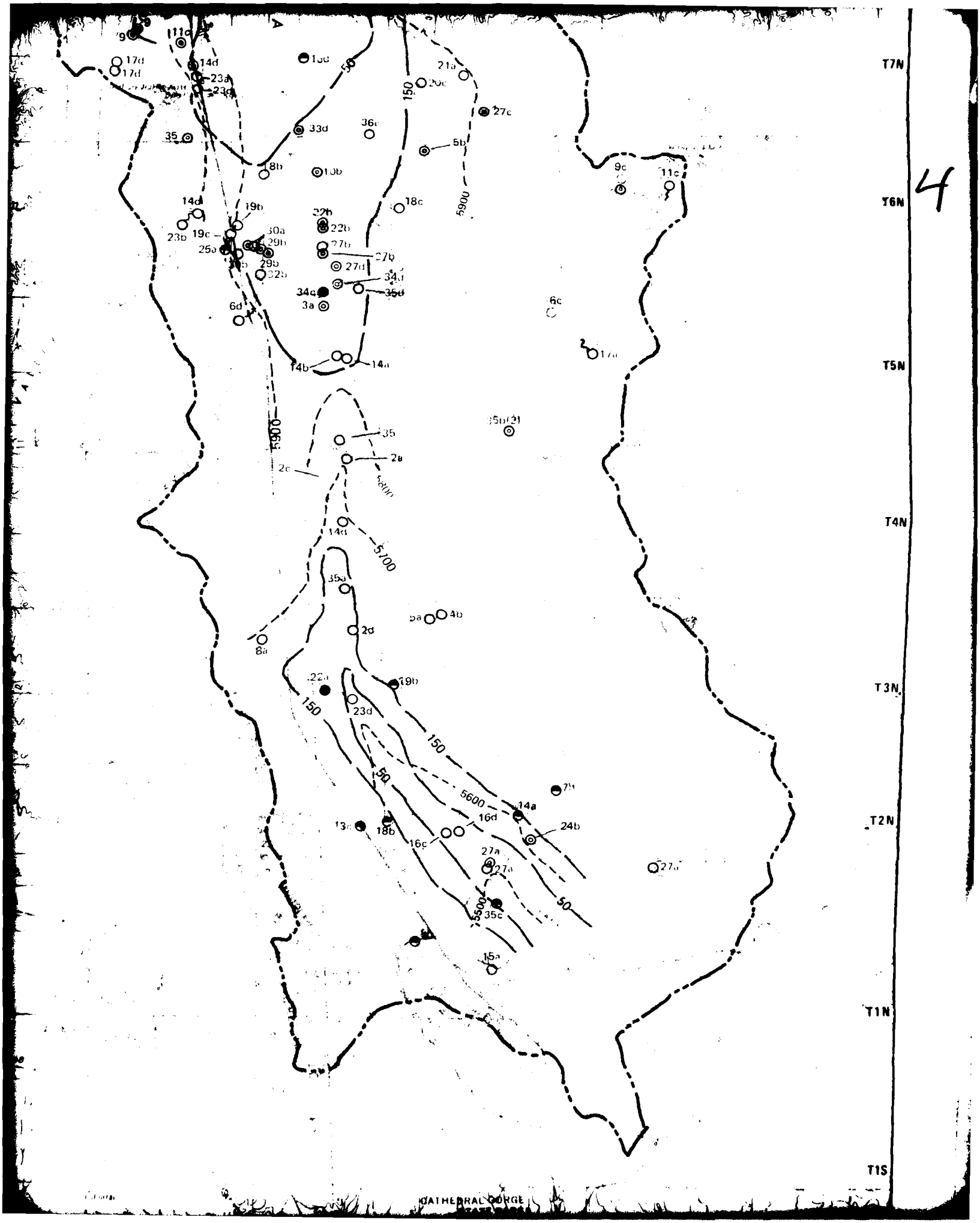
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP THEREFORE OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN


R64E
R65E
R66E
R67E
R68E
NORTH
1:250,000
0
5
STATUTE MILES
0
5
KILOMETERS
150
6000
5900
50

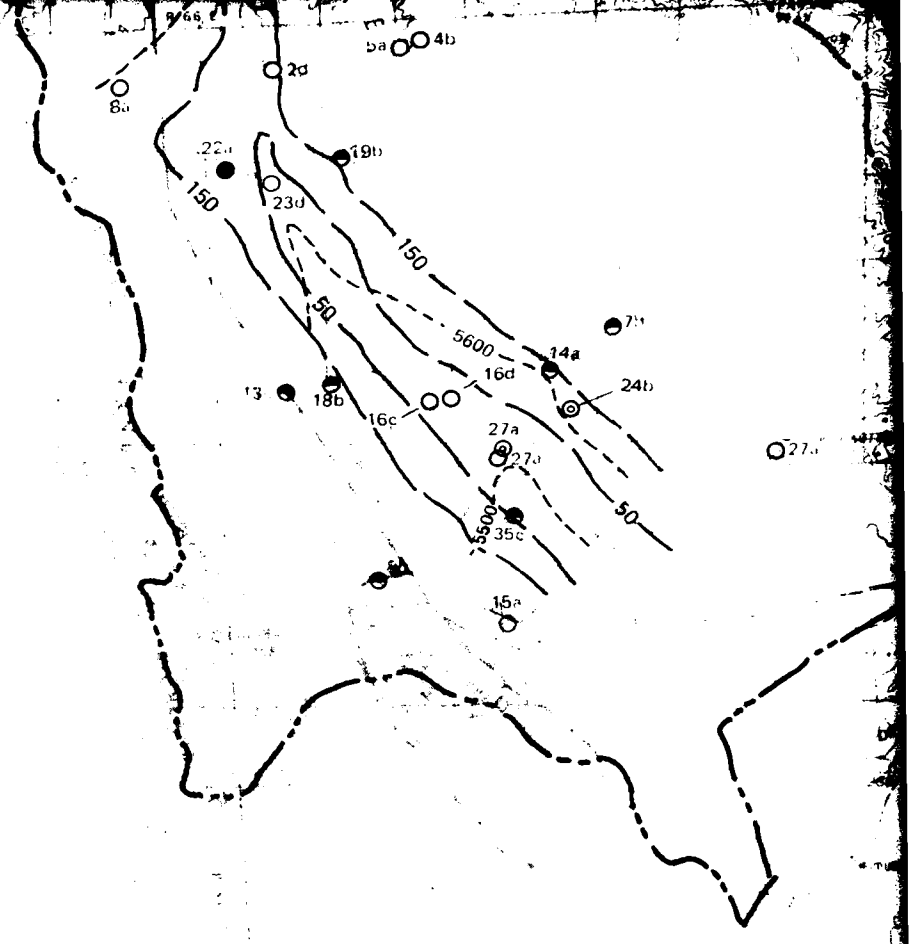

R65E
R66E
R67E
R68E
R69E
T11N
T10N
T9N
T8N
T7N
T6N
NORTH
1:250,000
0 5 10
STATUTE MILES
0 5 10
KILOMETERS
6000
5900
150
50



27c
33d
36c
35
5b
9c
11c
8b
18c
5900
14d
19b
22b
23b
19c
25a
29b
27b
27a
34c
35d
3a
6c
6d
14b
14a
35
2a
2c
5900
14d
5700
35a
5a
4b
2d
8a
22a
19b
150
23d
150
50
5600
14a
16d
24b
18b
16c
27a
27a
50
5500
35c
15a


T7N
T6N
T5N
T4N
T3N
T2N
T1N
T1S
5900
5700
5600
5500
150
50
CATHEDRAL GORGE

4



EXPLANATION

- DRAINAGE DIVIDE

CONTOURS

- 50 DEPTH TO POTENTIOMETRIC SURFACE
- 6400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- MEASURED BY Ertec
- OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- MEASURED BY Ertec
- OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- MEASURED BY Ertec
- OTHER DATA SOURCES

SPRINGS

- MEASURED BY Ertec
- OTHER DATA SOURCES
- AQUIFER TEST
- Ertec VERIFICATION BORING
- Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SH
DATES OF DISCHARGE MEASUREMENTS SHO

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEP
CONTOUR MAPS WERE CONSTRUCTED FRO
SCALE BASE MAPS AND REPRESENT TRUE

AGE OF WATER LEVEL MEASUREMENT DA
AREAS OF EXTENSIVE WATER USE, HAS B
IN DEVELOPMENT OF THIS MAP. THEREFO
MAY NOT, IN ALL CASES, MATCH POTENTI
DEPTH TO WATER CONTOURS SHOWN.

Ertec
The Earth Technology Corporation

GROUNDWATER INVESTIGATION
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE MX

POTENTIOMETRIC LEVELS
LAKE VALLEY, NEVADA

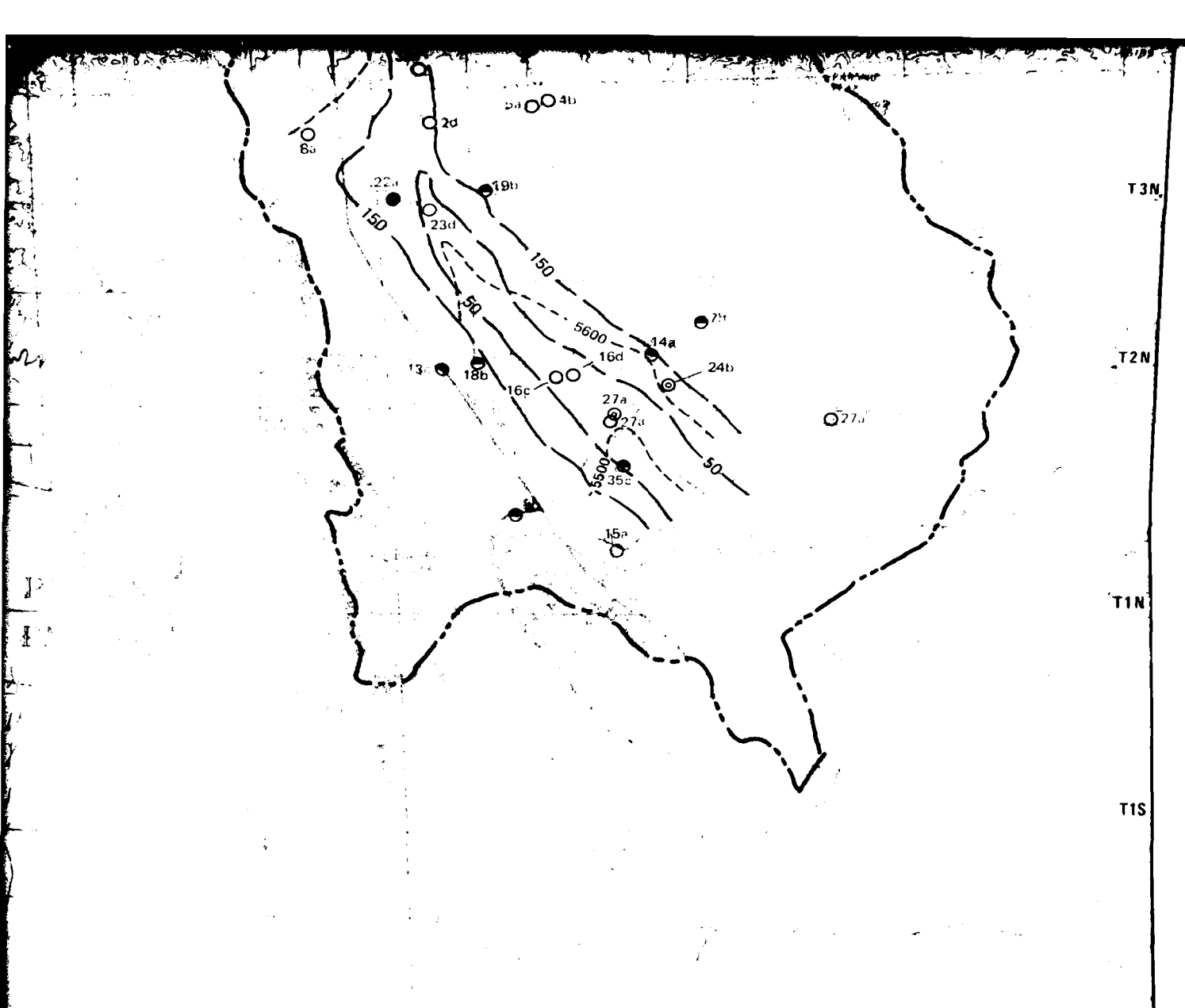
30 NOV 81

FIGURE 81-16

13

14

5



EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- MEASURED BY Ertec
- OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- MEASURED BY Ertec
- OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- MEASURED BY Ertec
- OTHER DATA SOURCES

SPRINGS

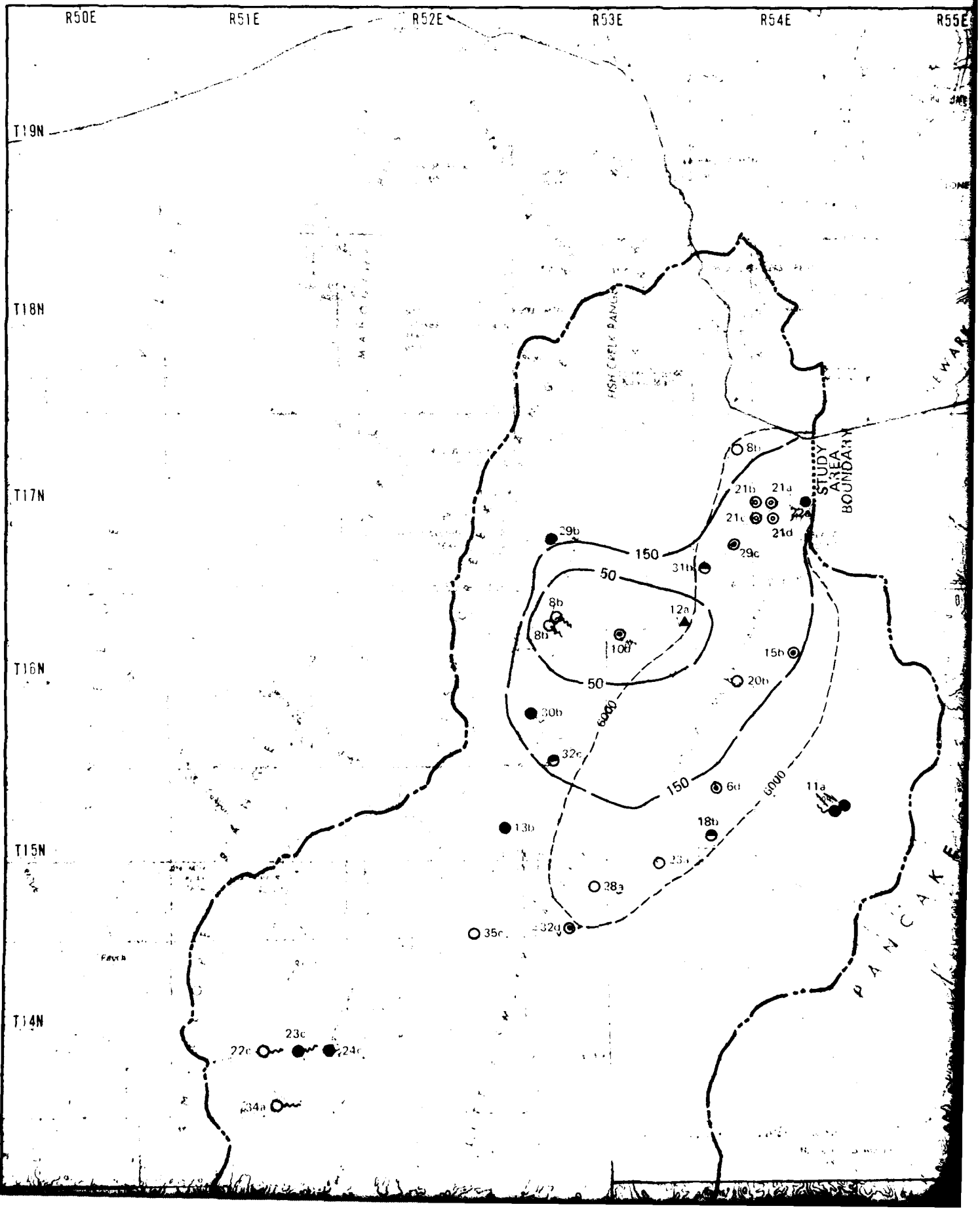
- MEASURED BY Ertec
- OTHER DATA SOURCES

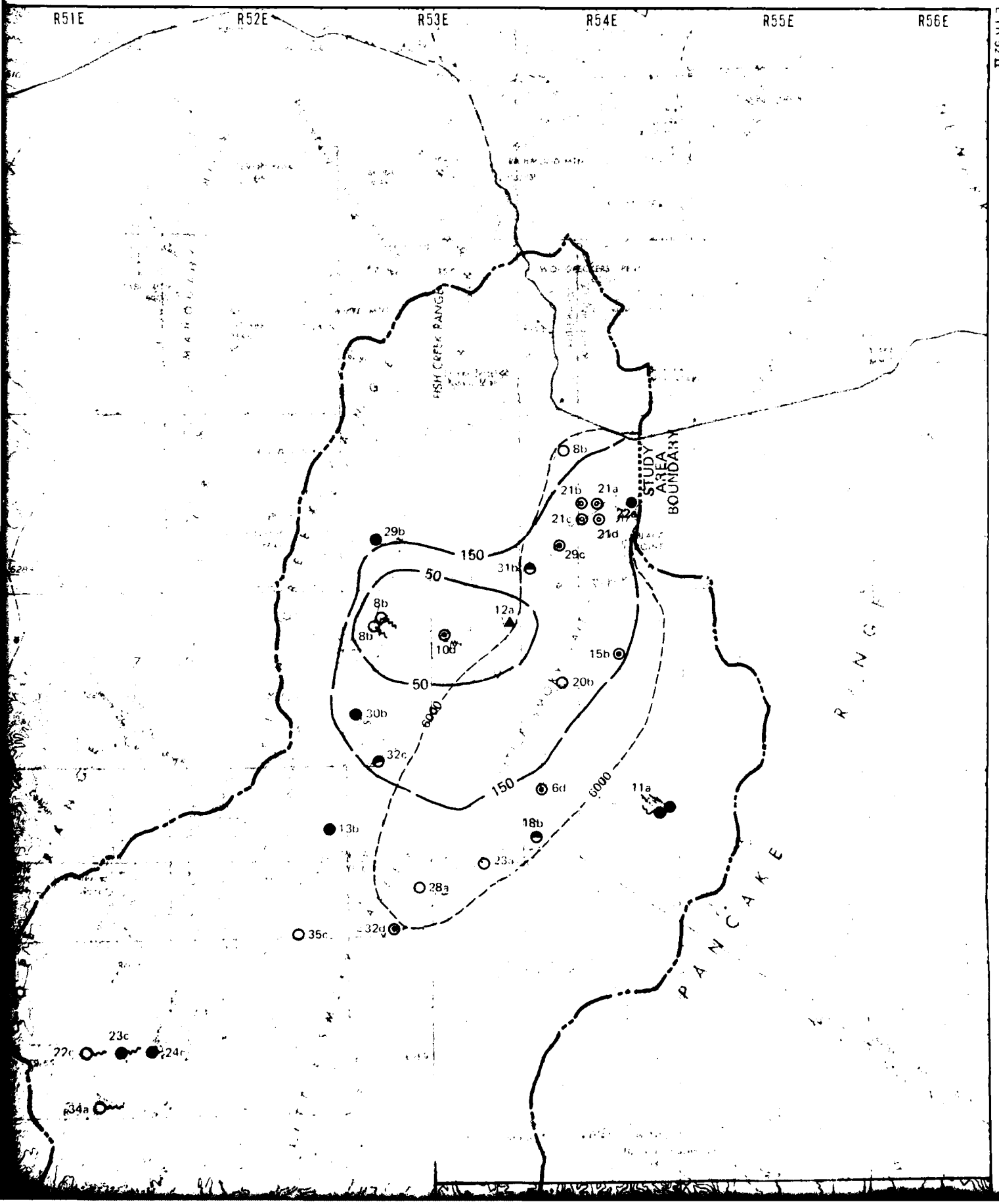
- AQUIFER TEST
- Ertec VERIFICATION BORING
- Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

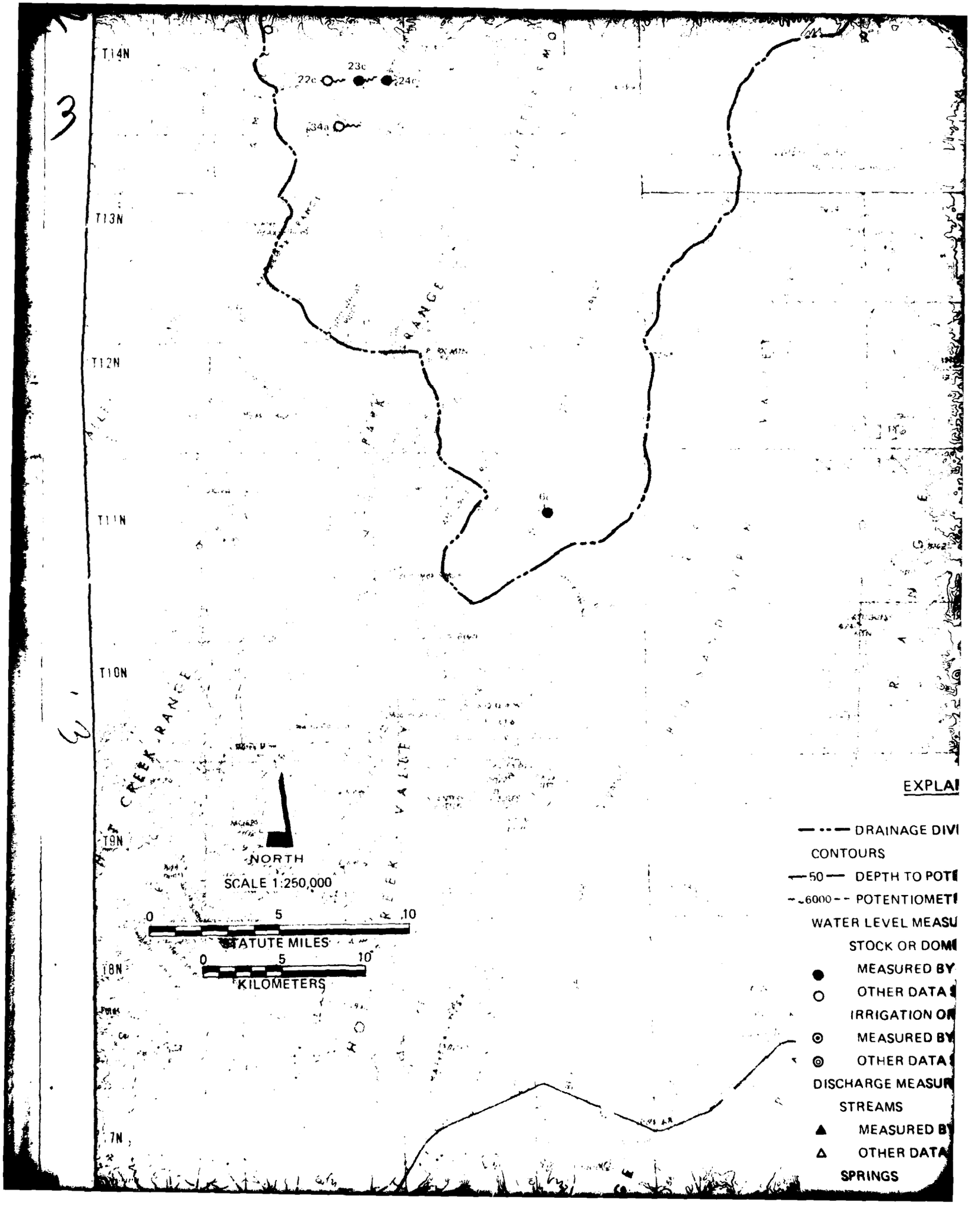
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1 16
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-16

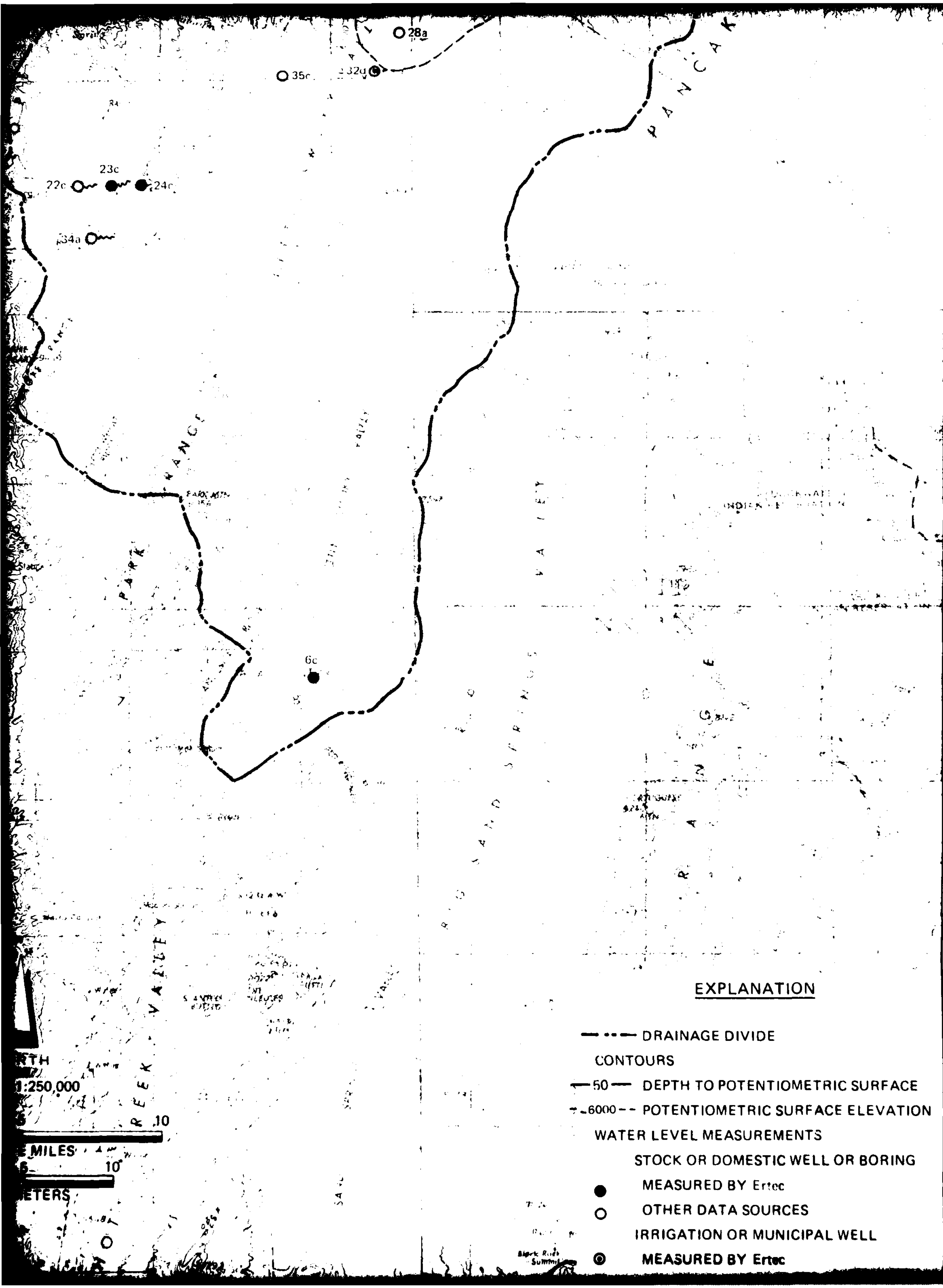
NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.

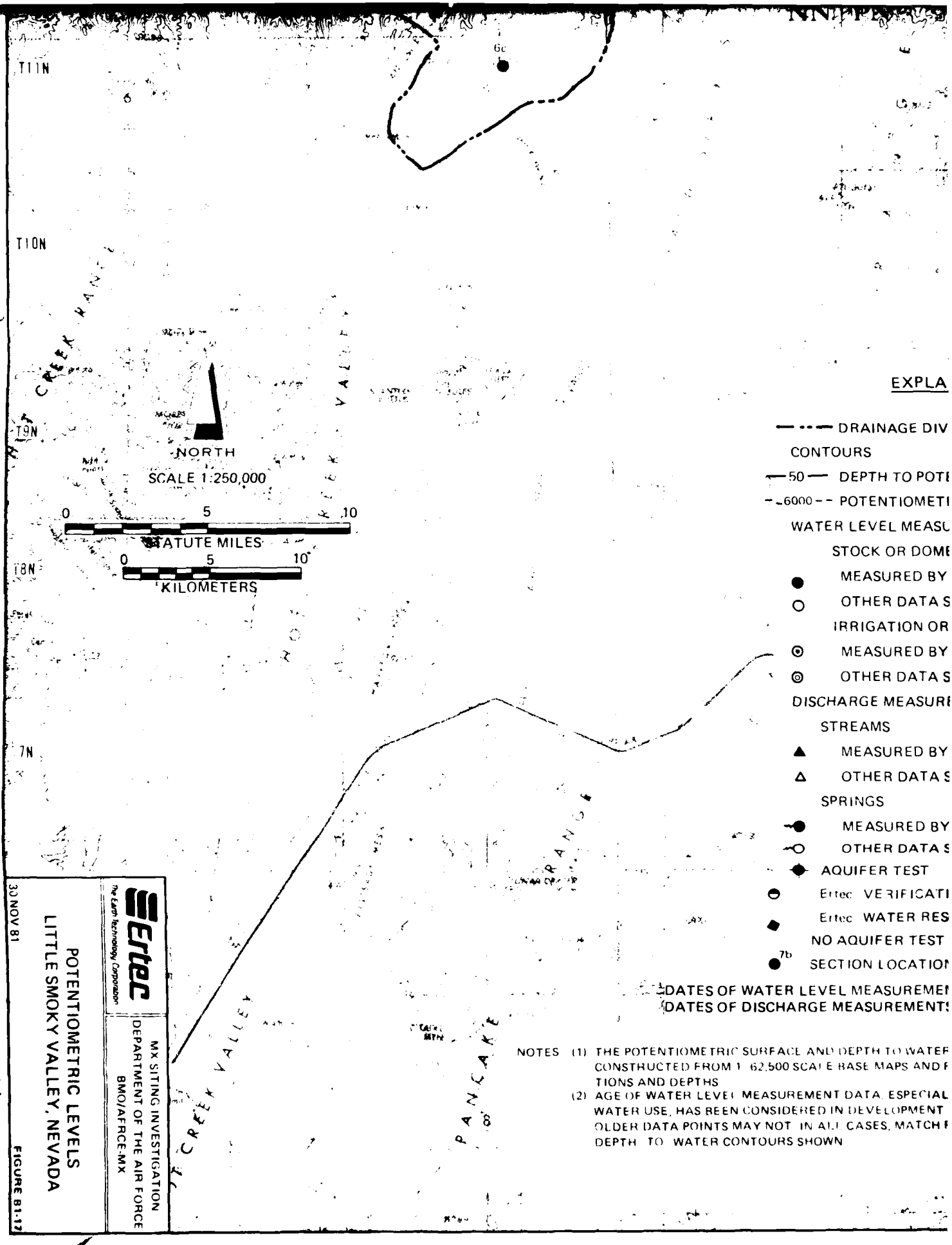

R50E
R51E
R52E
R53E
R54E
R55E
T19N
T18N
T17N
T16N
T15N
T14N
STUDY AREA BOUNDARY
150
50
50
150
6000
6000
8b
21b
21a
21c
21d
29b
29c
31b
8b
8b
12a
10d
15b
20b
30b
32c
6d
11a
18b
13b
28a
35c
32d
23c
22c
24c
34a
PANCAKE


R51E
R52E
R53E
R54E
R55E
R56E
T52N
T51N
STUDY AREA BOUNDARY
FISH CREEK RANGE
PANCAKE RANGE
150
50
50
150
6000
6000
8b
21b
21a
21c
21d
29b
29c
31b
12a
8b
8b
10d
15b
20b
30b
32c
6d
11a
13b
18b
28a
35c
32d
23c
22c
24c
34a


T14N
T13N
T12N
T11N
T10N
T9N
T8N
7N
23c
22c
24c
34a
6c
PARK RANGE
CREEK RANGE
NORTH
SCALE 1:250,000
0 5 10
STATUTE MILES
0 5 10
KILOMETERS
EXPLA
DRAINAGE DIVI
CONTOURS
50 DEPTH TO POTE
6000 POTENTIOMETI
WATER LEVEL MEASU
STOCK OR DOM
MEASURED BY
OTHER DATA
IRRIGATION O
MEASURED BY
OTHER DATA
DISCHARGE MEASUR
STREAMS
MEASURED B
OTHER DATA
SPRINGS


28a
35c
32d
23c
22c
24c
34a
6c
PARK RANGE
VALLEY
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
6000 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
1:250,000
MILES
10
ETERS

4



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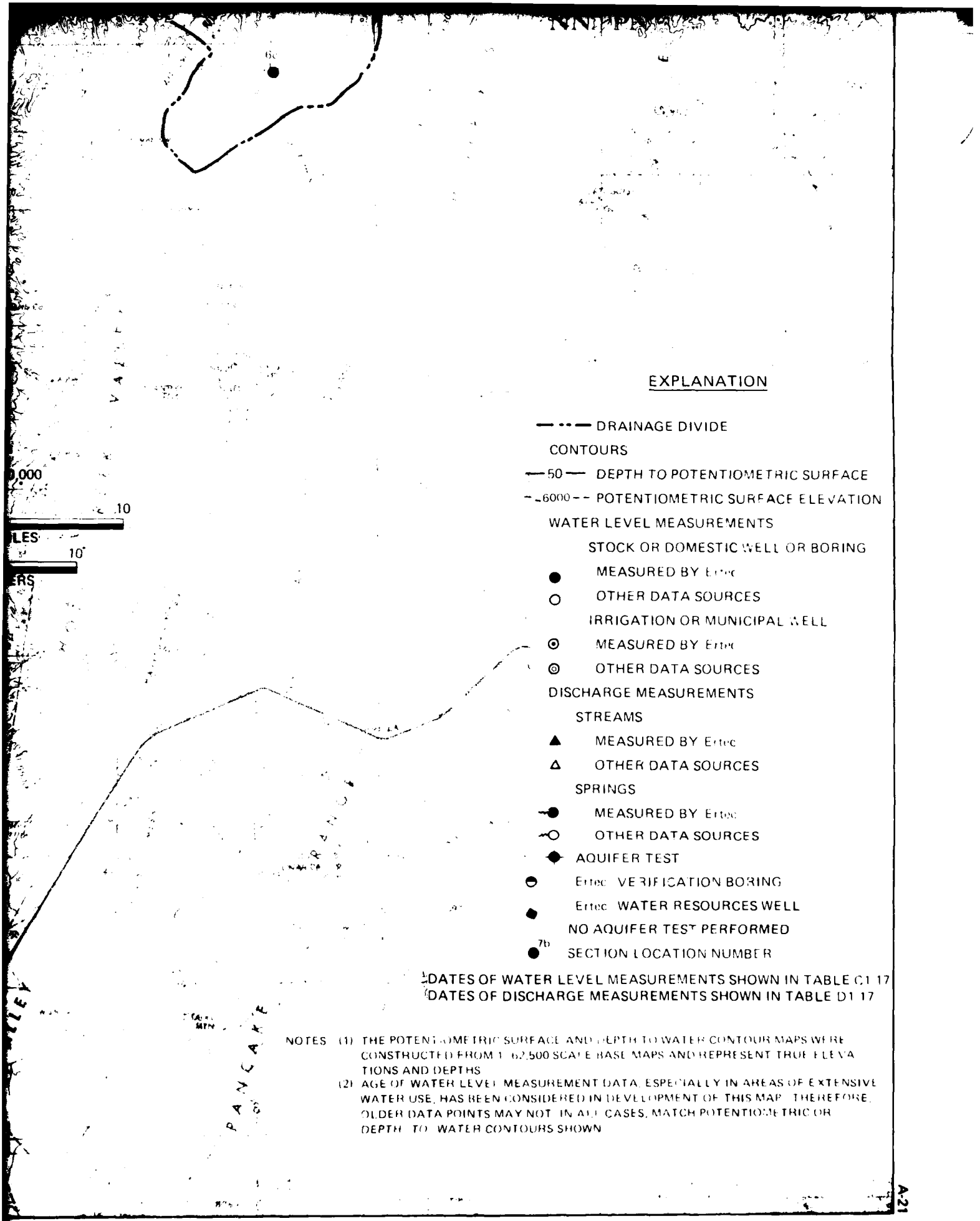
MX SITING INVESTIGATION
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX

POTENTIOMETRIC LEVELS
LITTLE SMOKY VALLEY, NEVADA

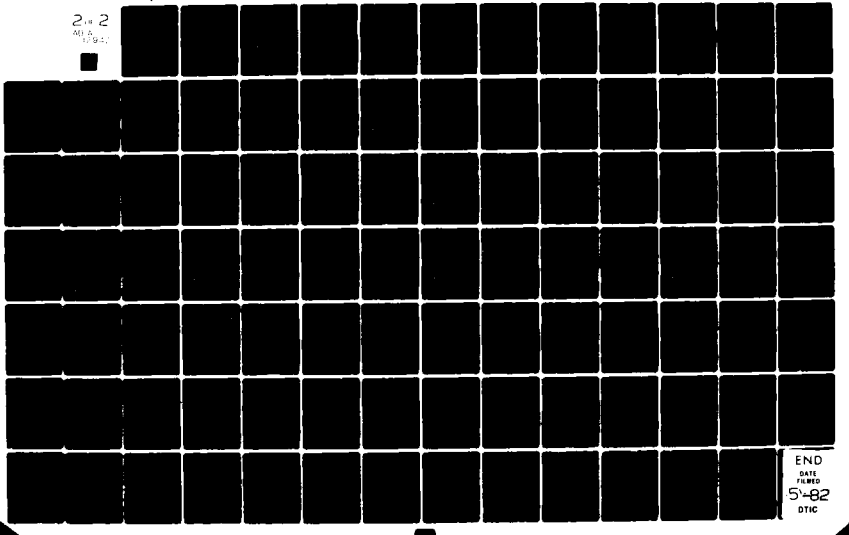
30 NOV 81

FIGURE B1-17

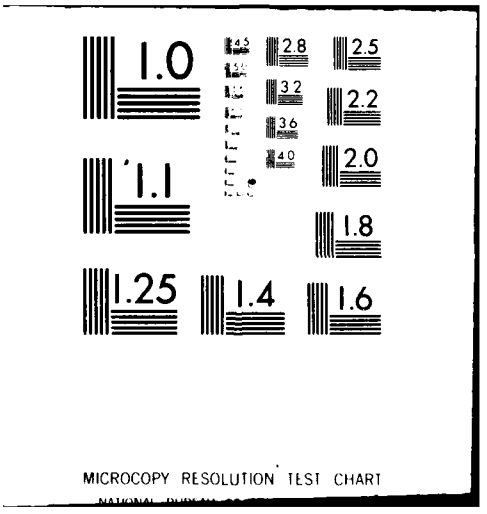

EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
6000 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
[1]DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE G1 17
[2]DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1 17
NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN

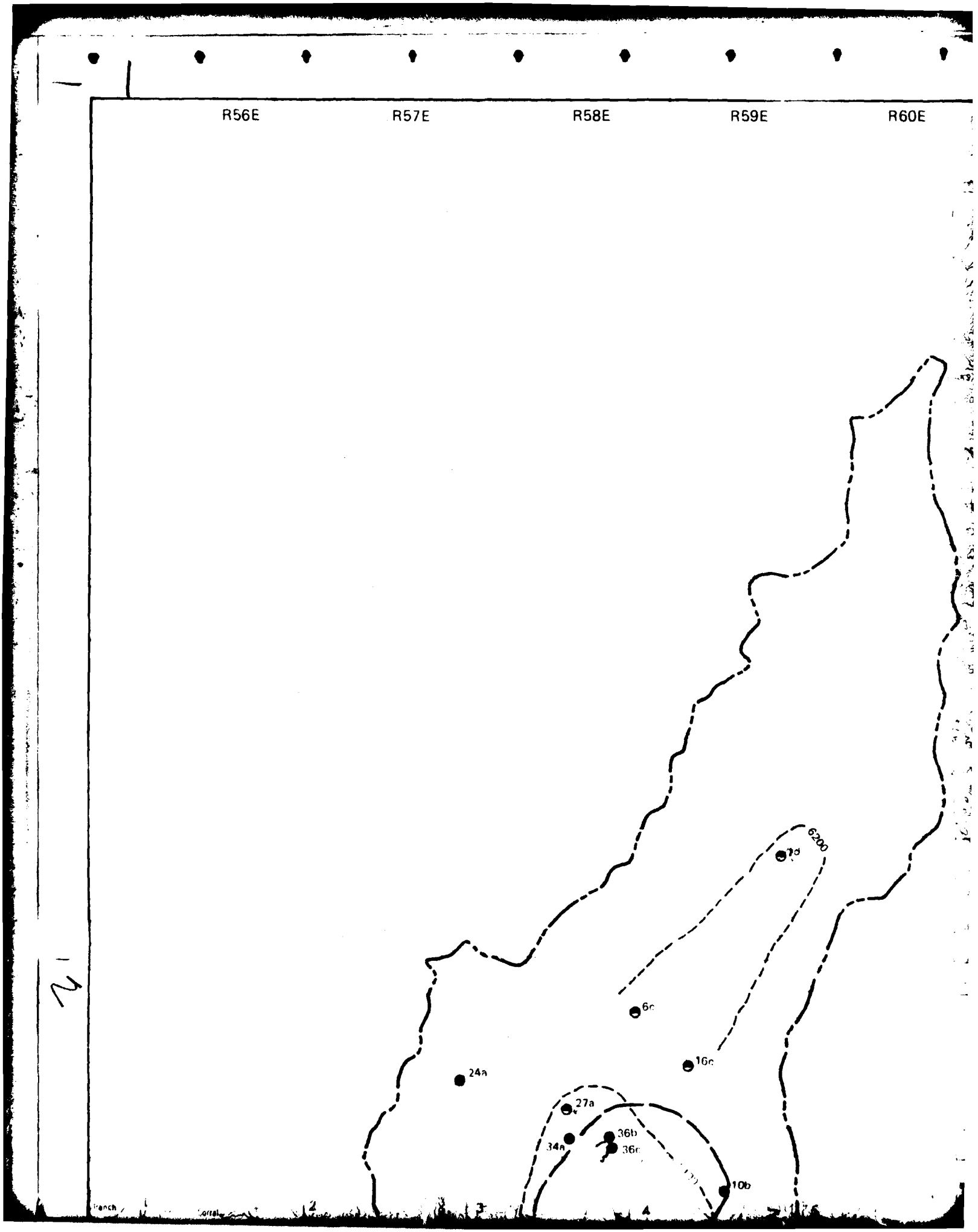
AD-A112 942 ERTEC WESTERN INC LONG BEACH CA F/G 13/2
MX SITING INVESTIGATION. WATER RESOURCES PROGRAM. TECHNICAL SUM--ETC(U)
NOV 81 F04704-80-C-0006
UNCLASSIFIED E-TR-52-IIA NL

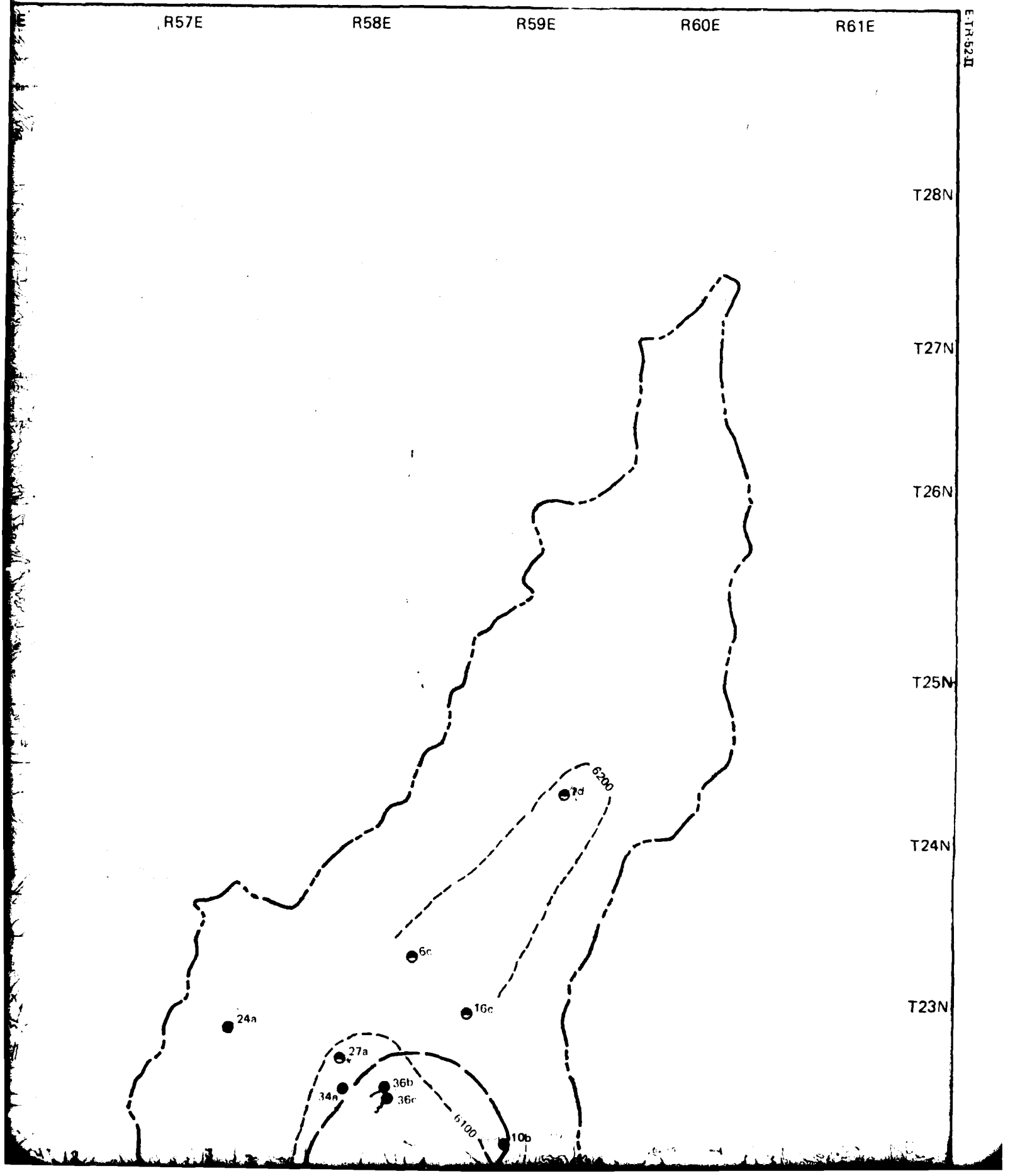
2 OF 2
AD A112 942

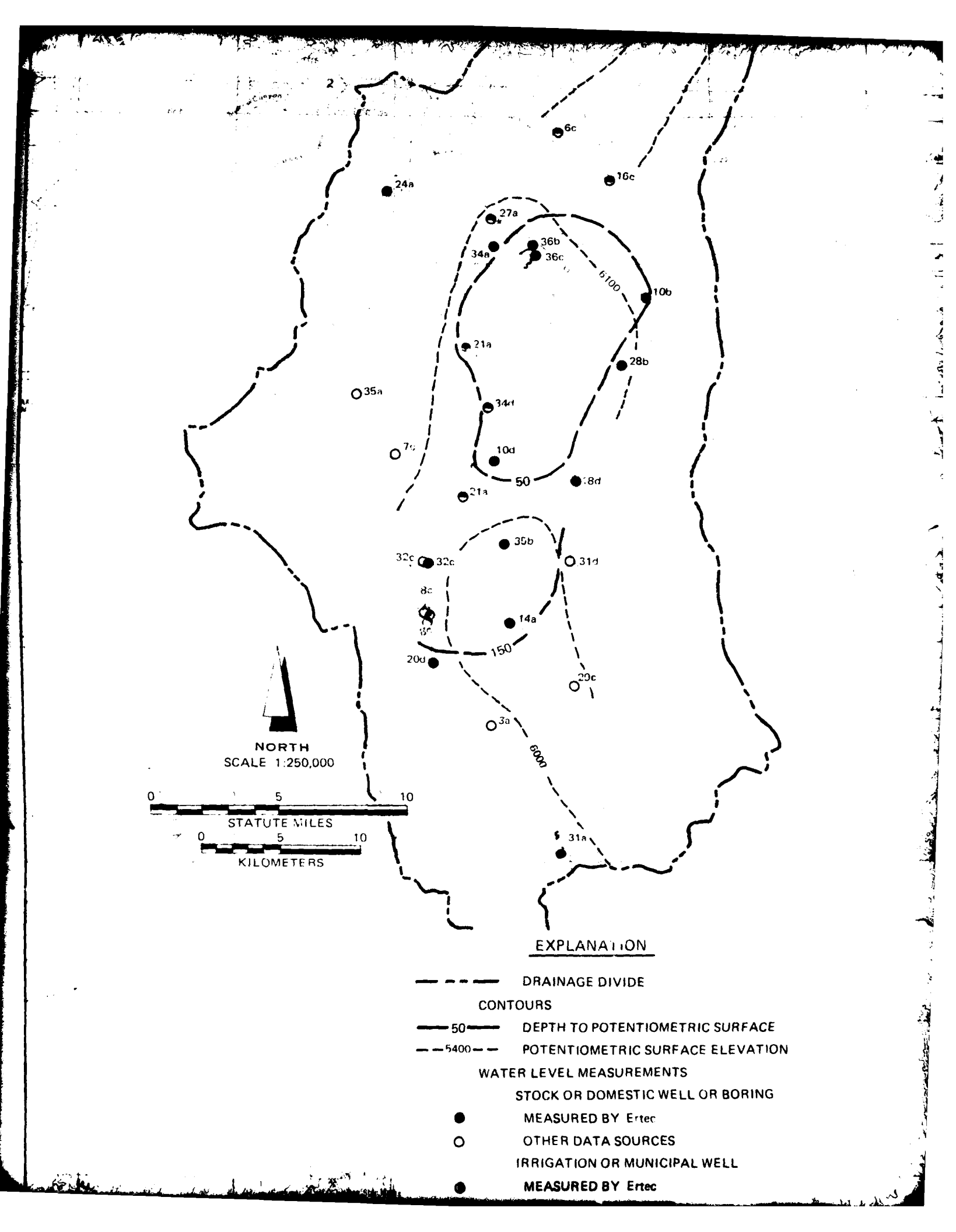


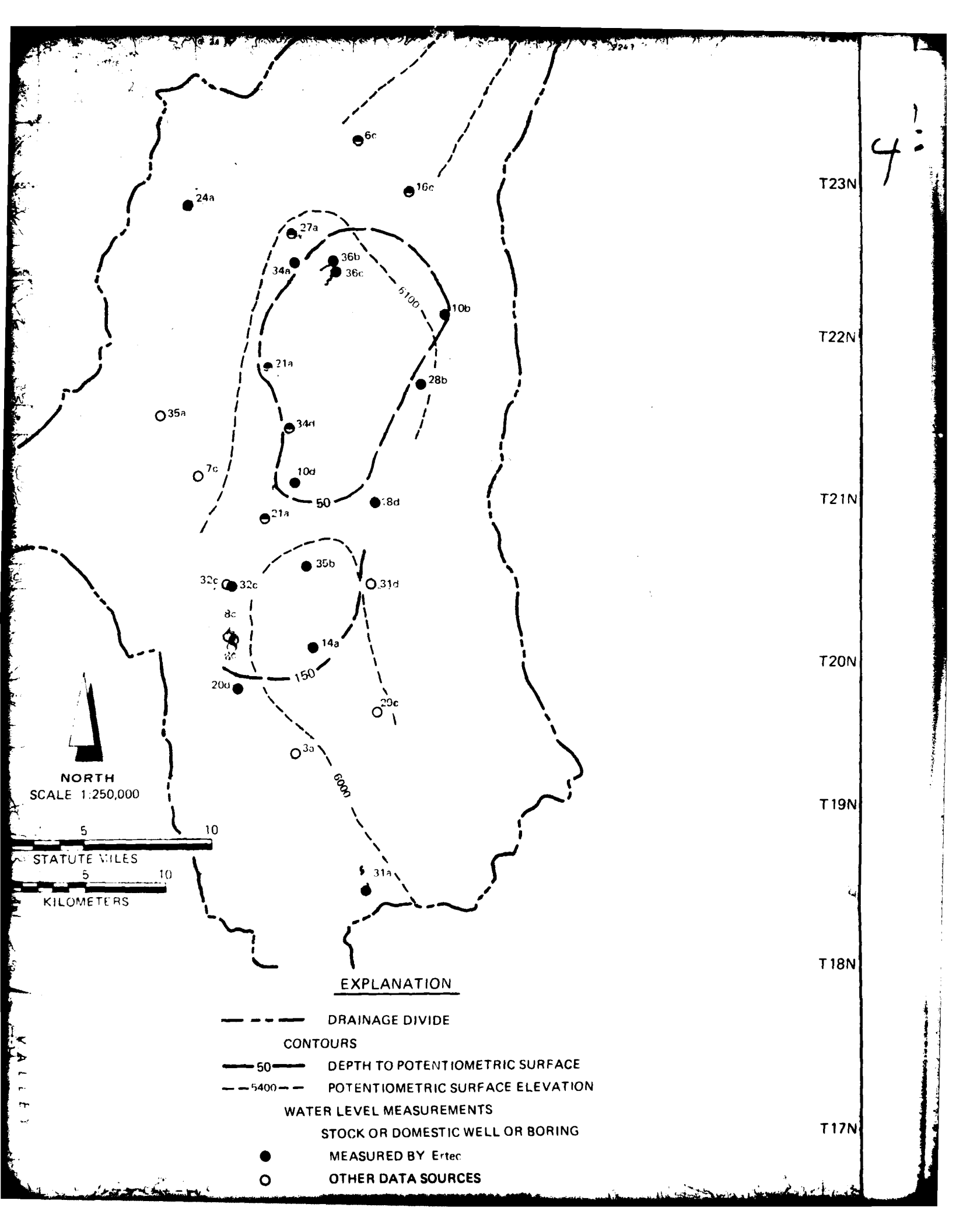
END
DATE FILMED
5-82
DTIC

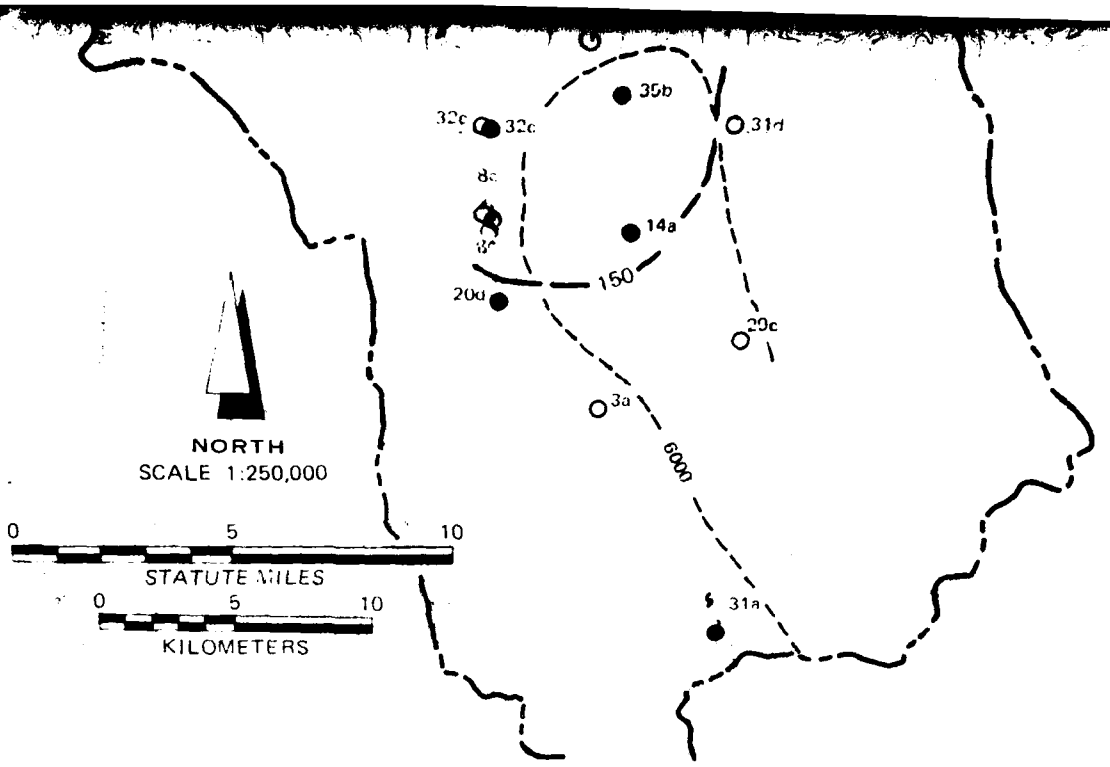

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART


R56E
R57E
R58E
R59E
R60E
6200
7a
6c
16c
24a
27a
36b
34a
36c
10b


R57E
R58E
R59E
R60E
R61E
T28N
T27N
T26N
T25N
T24N
T23N
6200
6100
7d
6c
16c
24a
27a
34a
36b
36c
10b


6c
16c
24a
27a
36b
34a
36c
6100
10b
21a
28b
35a
34d
10d
50
18d
21a
35b
32c
31d
8c
14a
150
20d
20c
3a
6000
31a
NORTH
SCALE 1:250,000
0
5
10
STATUTE MILES
0
5
10
KILOMETERS
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50
DEPTH TO POTENTIOMETRIC SURFACE
5400
POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec


6c
16c
24a
27a
36b
34a
36c
5100
10b
21a
28b
35a
34d
7c
10d
50
8d
21a
35b
32c
32c
31d
8c
14a
150
20d
20c
3a
6000
31a
T23N
T22N
T21N
T20N
T19N
T18N
T17N
NORTH
SCALE 1:250,000
5
10
STATUTE MILES
5
10
KILOMETERS
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
5400 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES



EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- 50 DEPTH TO POTENTIOMETRIC SURFACE
- 5400 POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
- STOCK OR DOMESTIC WELL OR BORING
- MEASURED BY Ertec
- OTHER DATA SOURCES
- IRRIGATION OR MUNICIPAL WELL
- MEASURED BY Ertec
- OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
- STREAMS
- MEASURED BY Ertec
- OTHER DATA SOURCES
- SPRINGS
- MEASURED BY Ertec
- OTHER DATA SOURCES
- AQUIFER TEST
- Ertec VERIFICATION BORING
- Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-1
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-18

NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONT
CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRE
TIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN
WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF TH
OI DER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTEN
DEPTH-TO-WATER CONTOURS SHOWN.

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POTENTIOMETRIC LEVELS
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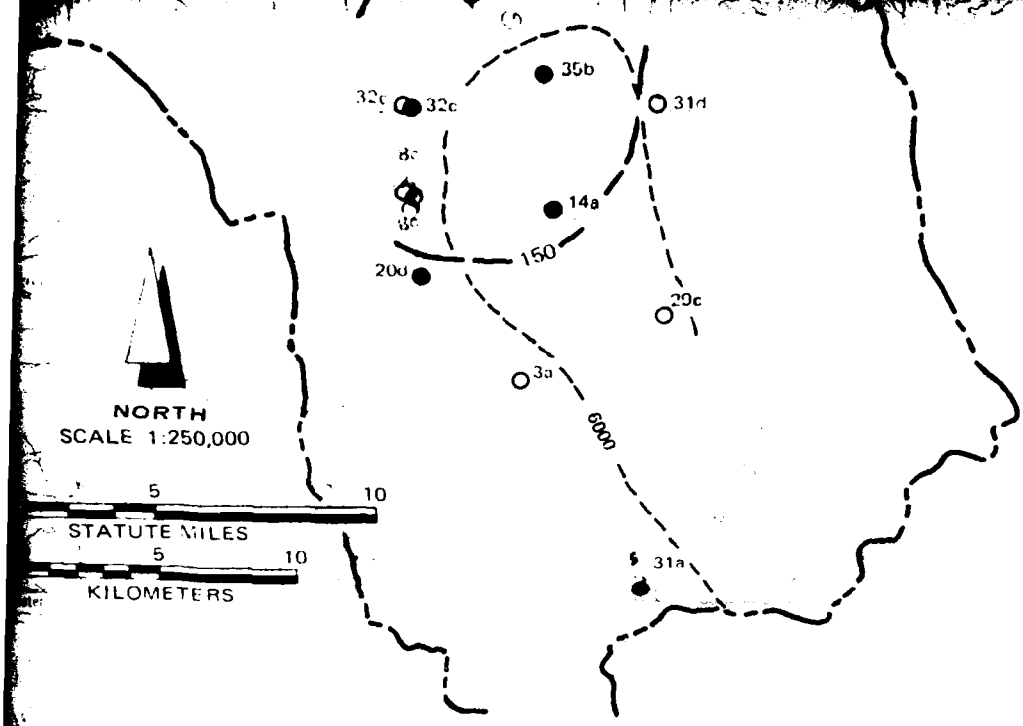
FIGURE B1-18



T20N

T19N

T18N

T17N

T16N

T15N

T14N

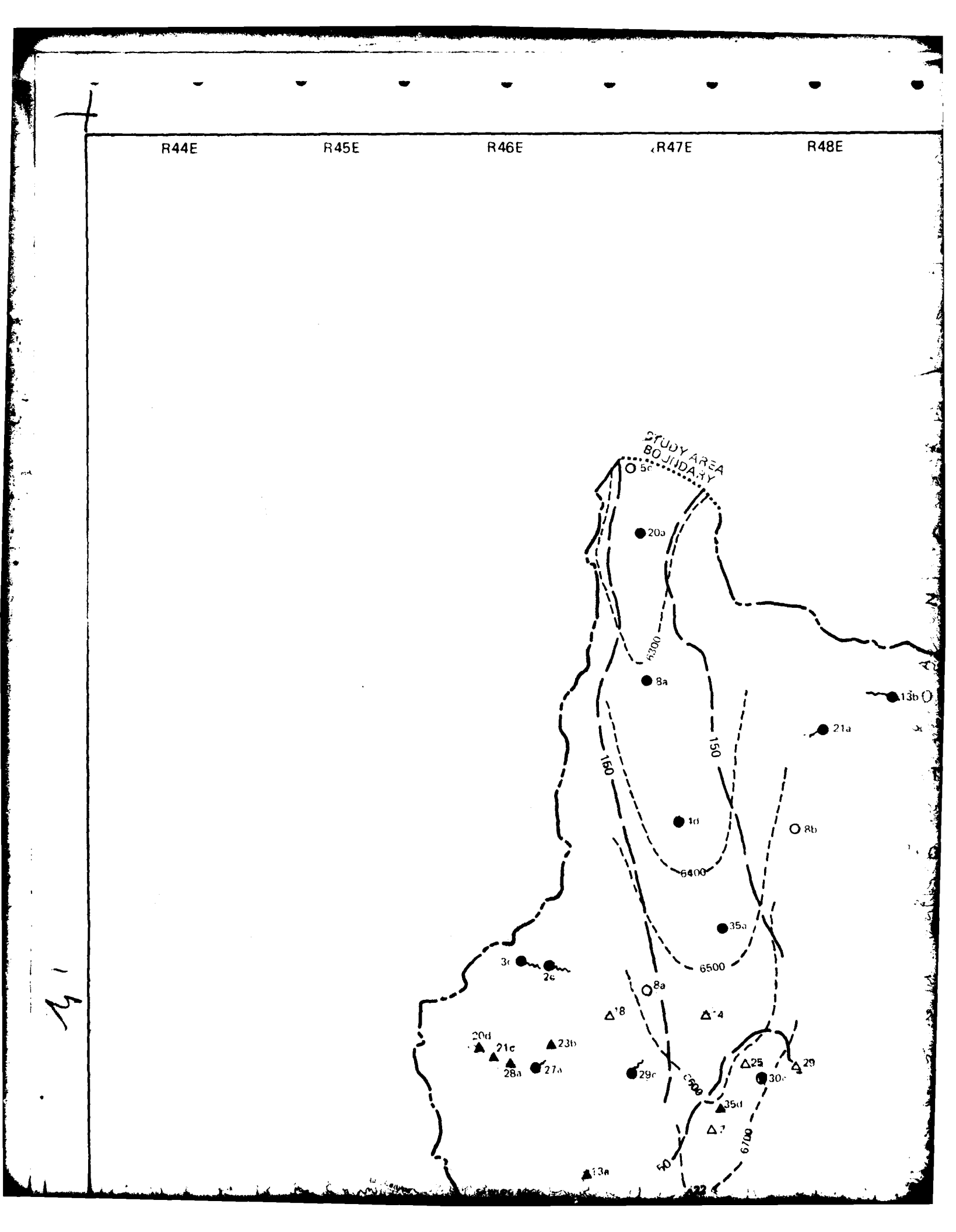
EXPLANATION

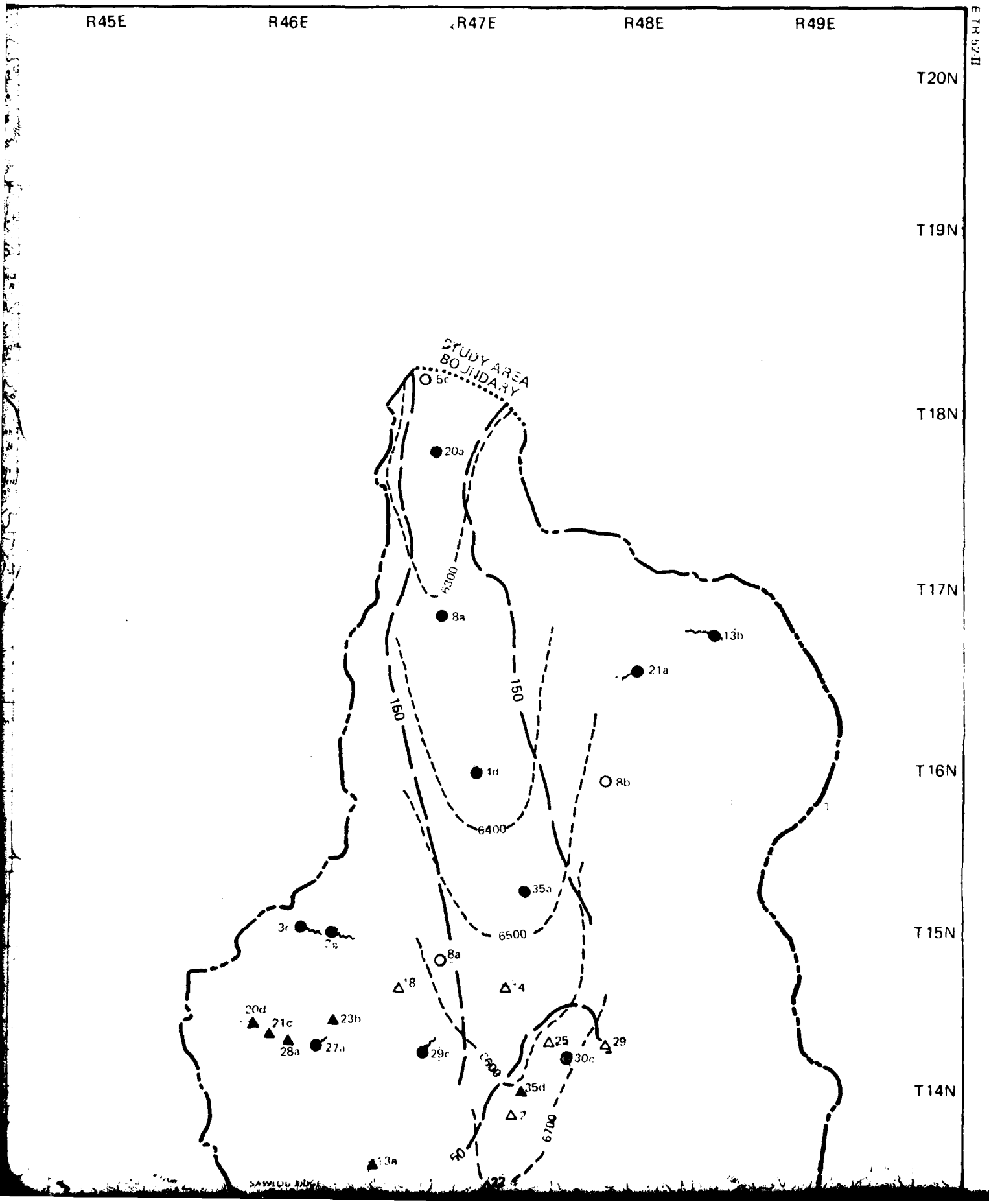
- DRAINAGE DIVIDE
- CONTOURS
- 50 — DEPTH TO POTENTIOMETRIC SURFACE
- 5400 — POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◎ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ⊖ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

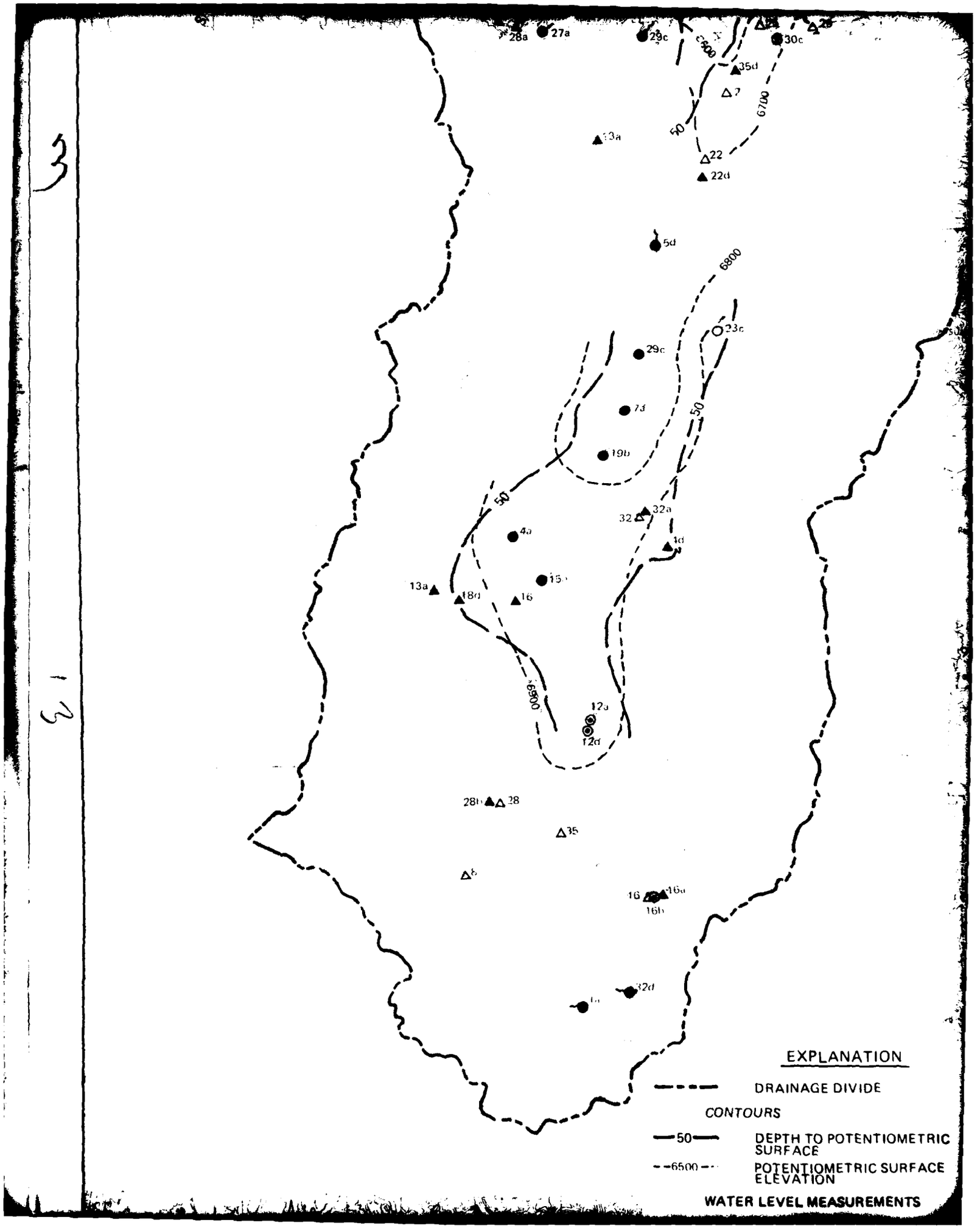
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-18
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-18

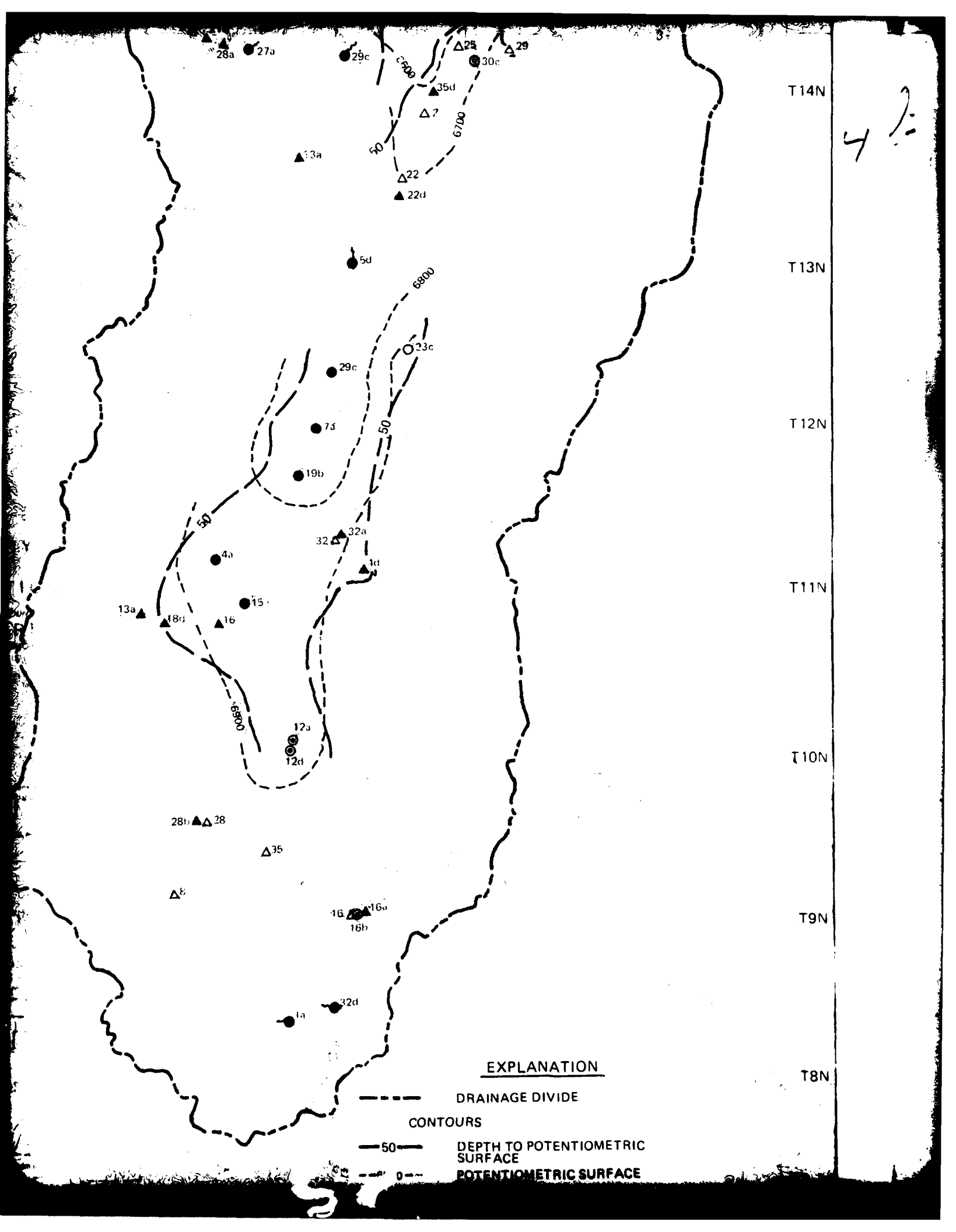
NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

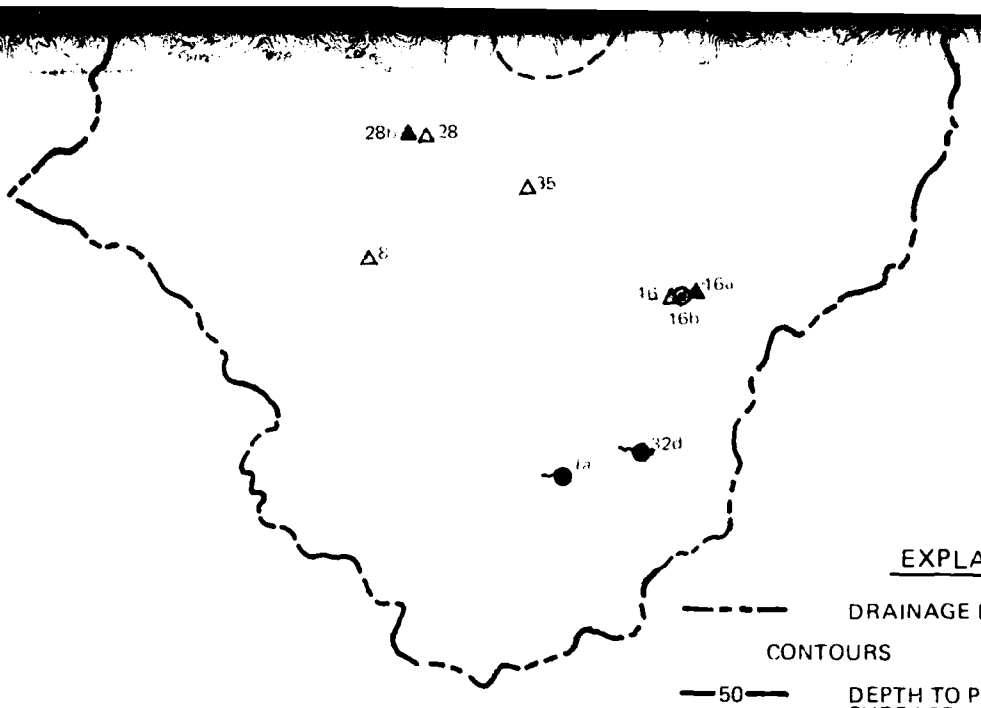
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN


R44E
R45E
R46E
R47E
R48E
STUDY AREA BOUNDARY
5c
20a
8a
13b
21a
150
150
1d
8b
6400
35a
3c
2c
6500
8a
Δ18
Δ14
20d
21c
23b
28a
27a
29c
Δ25
Δ29
30c
6600
35d
Δ7
50
6700
13a


R45E
R46E
R47E
R48E
R49E
T20N
T19N
T18N
T17N
T16N
T15N
T14N
STUDY AREA BOUNDARY
6300
6400
6500
6600
6700
150
160
50
20a
8a
13b
21a
1d
8b
35a
3f
8a
20d
21c
23b
28a
27a
29c
25
29
30c
35d
13a


28a
27a
29c
30c
35d
7
6700
50
13a
22
22d
5d
6800
23c
29c
7d
19b
50
32
32a
4a
4d
13a
18d
16
15b
6600
12a
12d
28b
28
35
6
16
16a
16b
32d
1a
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50
DEPTH TO POTENTIOMETRIC SURFACE
6500
POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS


T14N
T13N
T12N
T11N
T10N
T9N
T8N
6800
6700
6600
50
28a
27a
29c
25
30c
29
35d
7
13a
22
22d
5d
23c
29c
7d
19b
32
32a
4a
1d
15
13a
18d
16
12a
12d
28b
28
35
8
16
16a
16b
32d
1a
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50
DEPTH TO POTENTIOMETRIC SURFACE
POTENTIOMETRIC SURFACE



EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- —50— DEPTH TO POTENTIOMETRIC SURFACE
- --6500-- POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
- STOCK OR DOMESTIC WELL OR
  - ● MEASURED BY Ertec
  - ○ OTHER DATA SOURCES
- IRRIGATION OR MUNICIPAL WEL
  - ◉ MEASURED BY Ertec
  - ◎ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
- STREAMS
  - ▲ MEASURED BY Ertec
  - △ OTHER DATA SOURCES
- SPRINGS
  - MEASURED BY Ertec
  - OTHER DATA SOURCES
- ◆ AQUIFER TEST
- Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHO
DATES OF DISCHARGE MEASUREMENTS SHOWI

NORTH

SCALE 1:250,000

0 5 10
STATUTE MILES

0 5 10
KILOMETERS

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONT CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRE TIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF TH OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTEN DEPTH TO WATER CONTOURS SHOWN.

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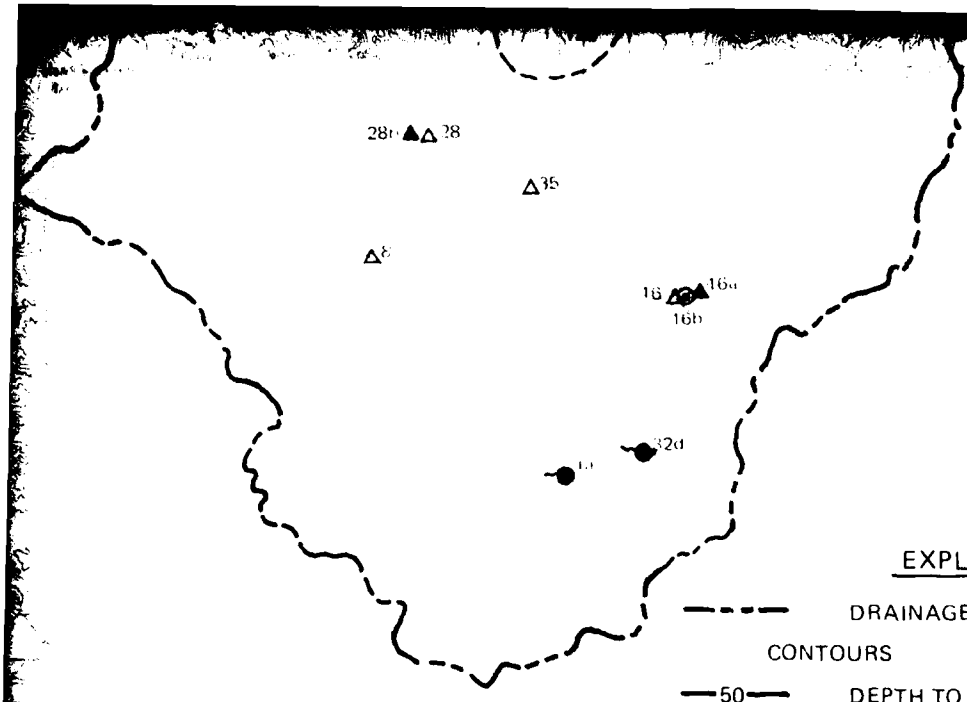
POTENTIOMETRIC LEVELS
MONITOR VALLEY, NEVADA

30 NOV 81

FIGURE B1 19



EXPLANATION

- DRAINAGE DIVIDE

CONTOURS

- —50— DEPTH TO POTENTIOMETRIC SURFACE
- --6500-- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- ● MEASURED BY Ertec
- ○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- ◉ MEASURED BY Ertec
- ◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- ▲ MEASURED BY Ertec
- △ OTHER DATA SOURCES

SPRINGS

- ~● MEASURED BY Ertec
- ~○ OTHER DATA SOURCES
- ◆ AQUIFER TEST
- ◓ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ●7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-19
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-19

NORTH

SCALE 1:250,000

5 10
STATUTE MILES

5 10
KILOMETERS

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.

T9N
T8N
T7N
T6N
T5N
T4N
T3N

R62E R63E R64E R65E R66E

STUDY AREA BOUNDARY

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

—50— DEPTH TO POTENTIOMETRIC SURFACE

--6400-- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

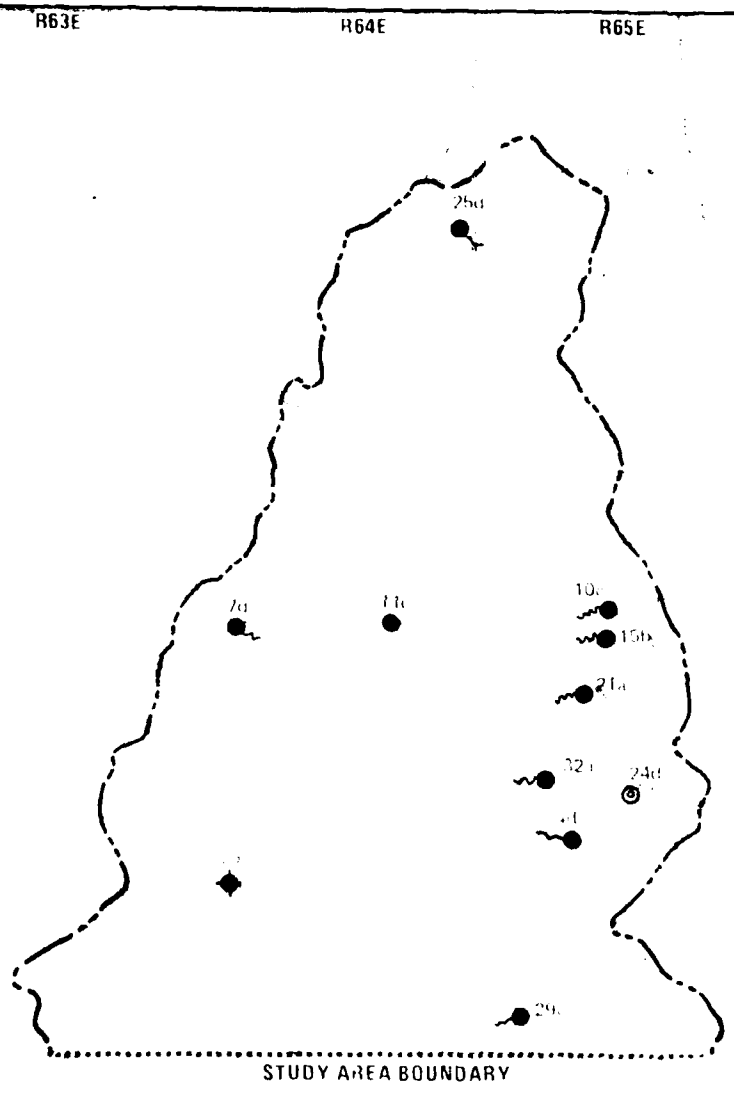
STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec



EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

6400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

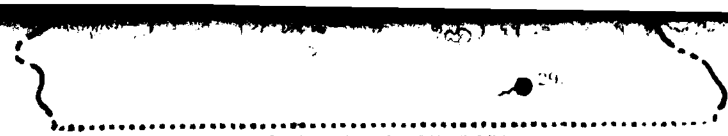
STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec



EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 — DEPTH TO POTENTIOMETRIC SURFACE

6400 - - - POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED

SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASURLMENTS SHOWN IN TABLE C1 20
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1 20

NOTES: (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA ESPECIALLY IN AREA WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MA OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOME DEPTH TO WATER CONTOURS SHOWN

NORTH

SCALE 1:250,000

0 5 10 STATUTE MILES

0 5 10 KILOMETERS

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POTENTIOMETRIC LEVELS
MULESHOE VALLEY, NEVADA

30 NOV 81

FIGURE B1-20

STUDY AREA BOUNDARY

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

6400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Errec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Errec

◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Errec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Errec

OTHER DATA SOURCES

AQUIFER TEST

Errec VERIFICATION BORING

Errec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1 20
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1 20

NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62 500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP THEREFORE OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN

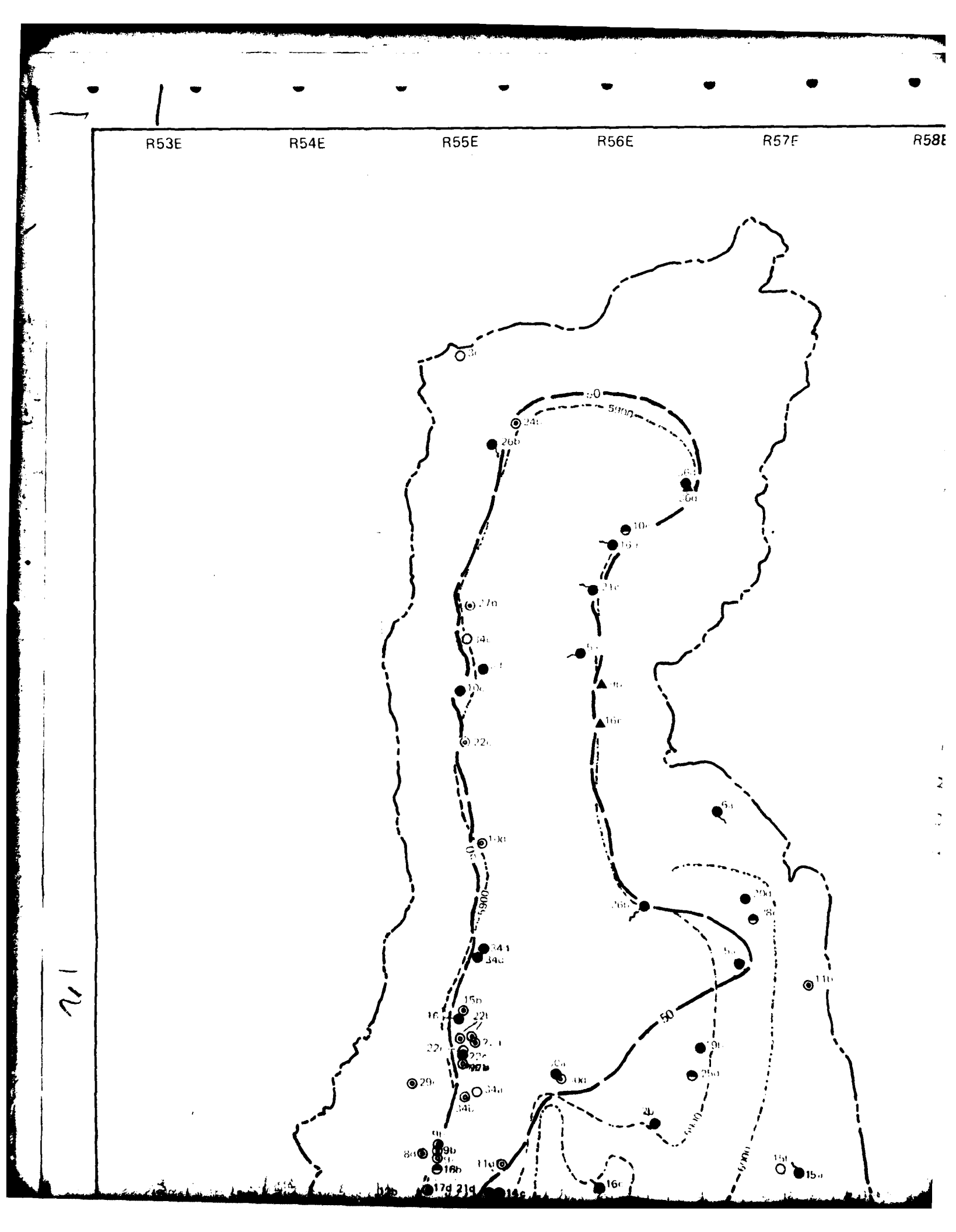
NORTH

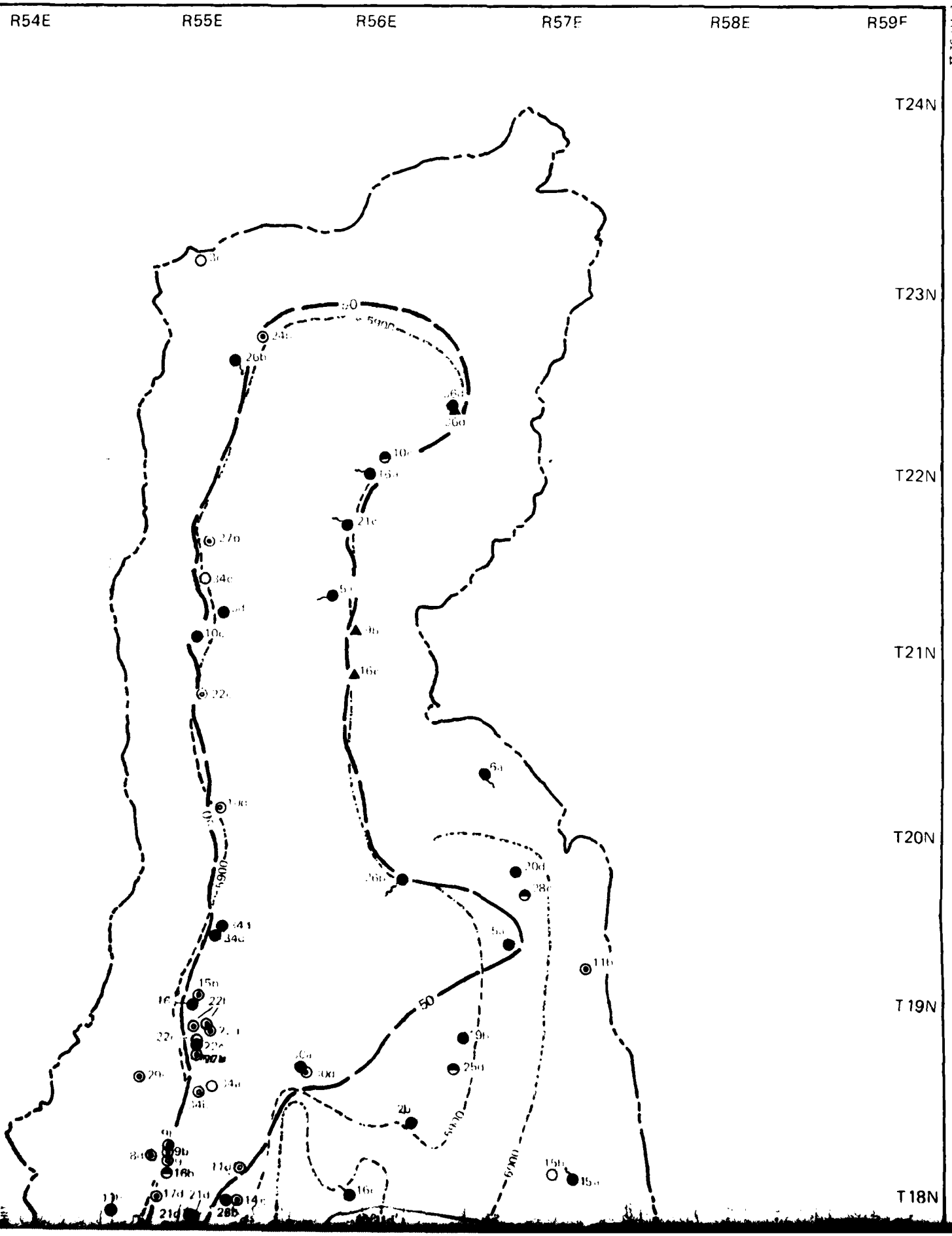
SCALE 1: 250,000

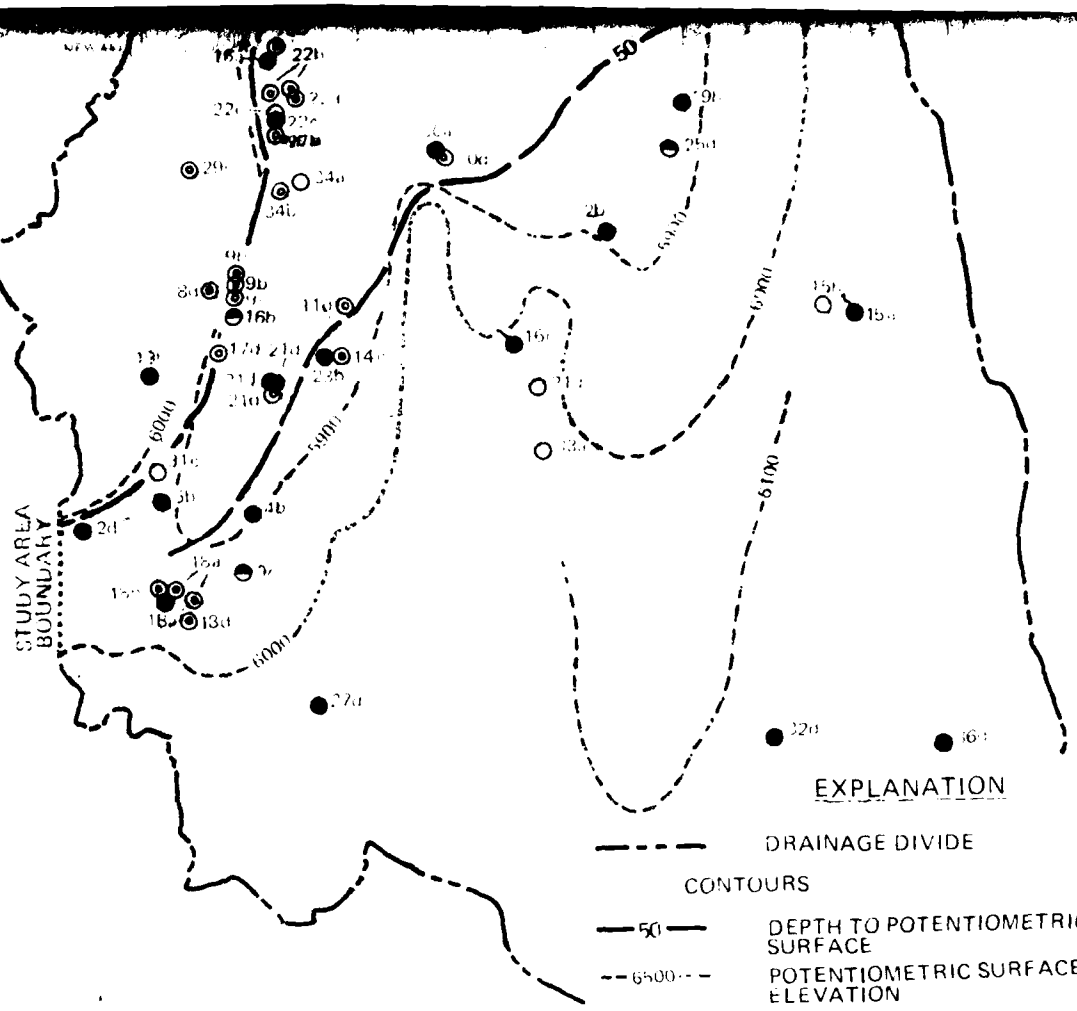
0 5 10
STATUTE MILES

0 5 10
KILOMETERS

T3N T2N T1N T1S T2S T3S T4S


R53E
R54E
R55E
R56E
R57E
R58E
5900
6000
50


R54E
R55E
R56E
R57E
R58E
R59E
T24N
T23N
T22N
T21N
T20N
T19N
T18N
50
5900
6000



NORTH
SCALE 1:250,000

0 5 10
STATUTE MILES
0 5 10
KILOMETERS

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

6500 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BO

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED

7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOW

DATES OF DISCHARGE MEASUREMENTS SHOWN I

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTO CONSTRUCTED FROM 1 62 500 SCALE BASE MAPS AND REPRES TIONS AND DEPTHS

AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN A

2) WATER USE HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS

O DER DATA POINTS MAY NOT IN ALL CASES MATCH POTENT DEPTH TO WATER CONTOURS SHOWN

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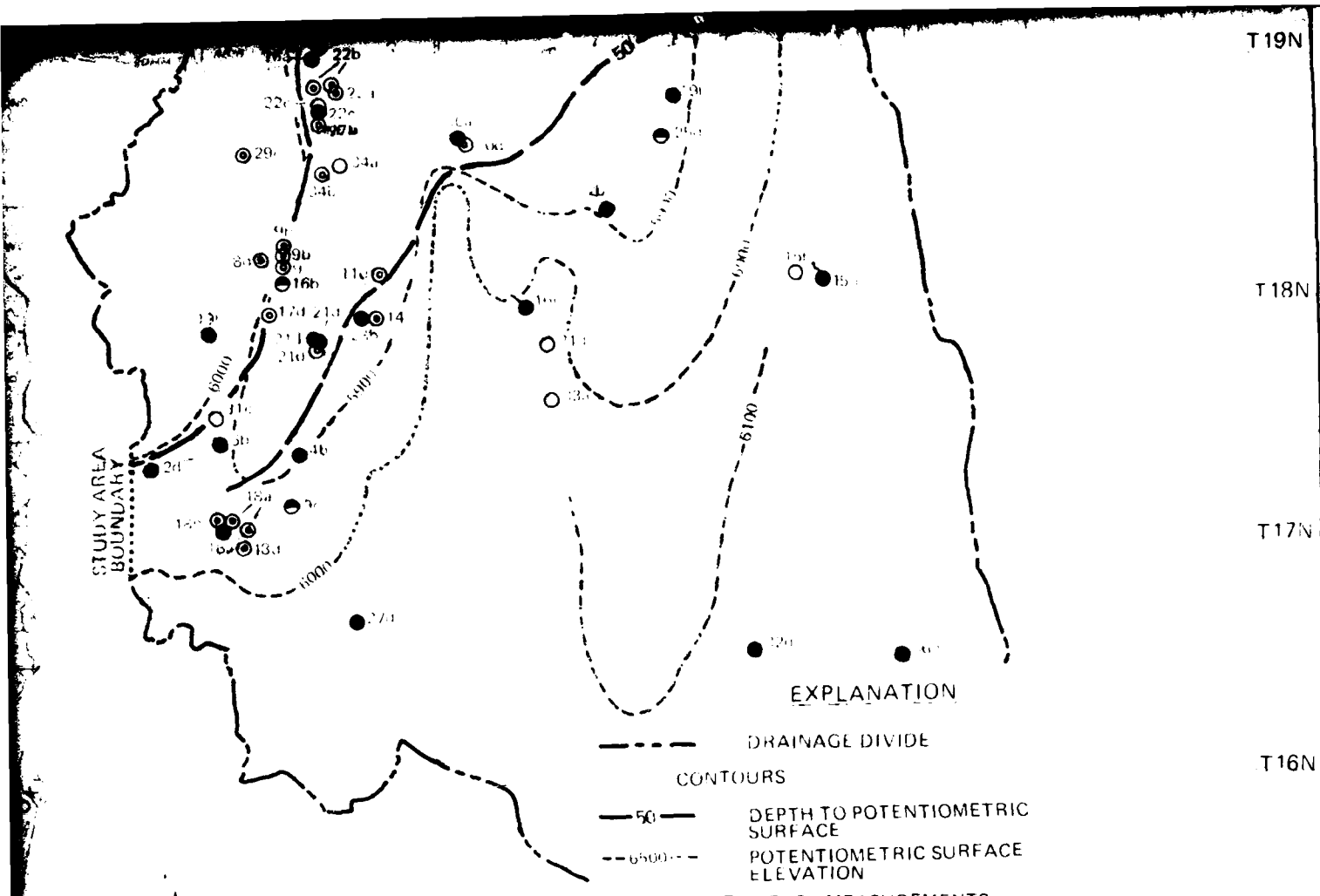
POTENTIOMETRIC LEVELS
NEWARK VALLEY, NEVADA

30 NOV 81

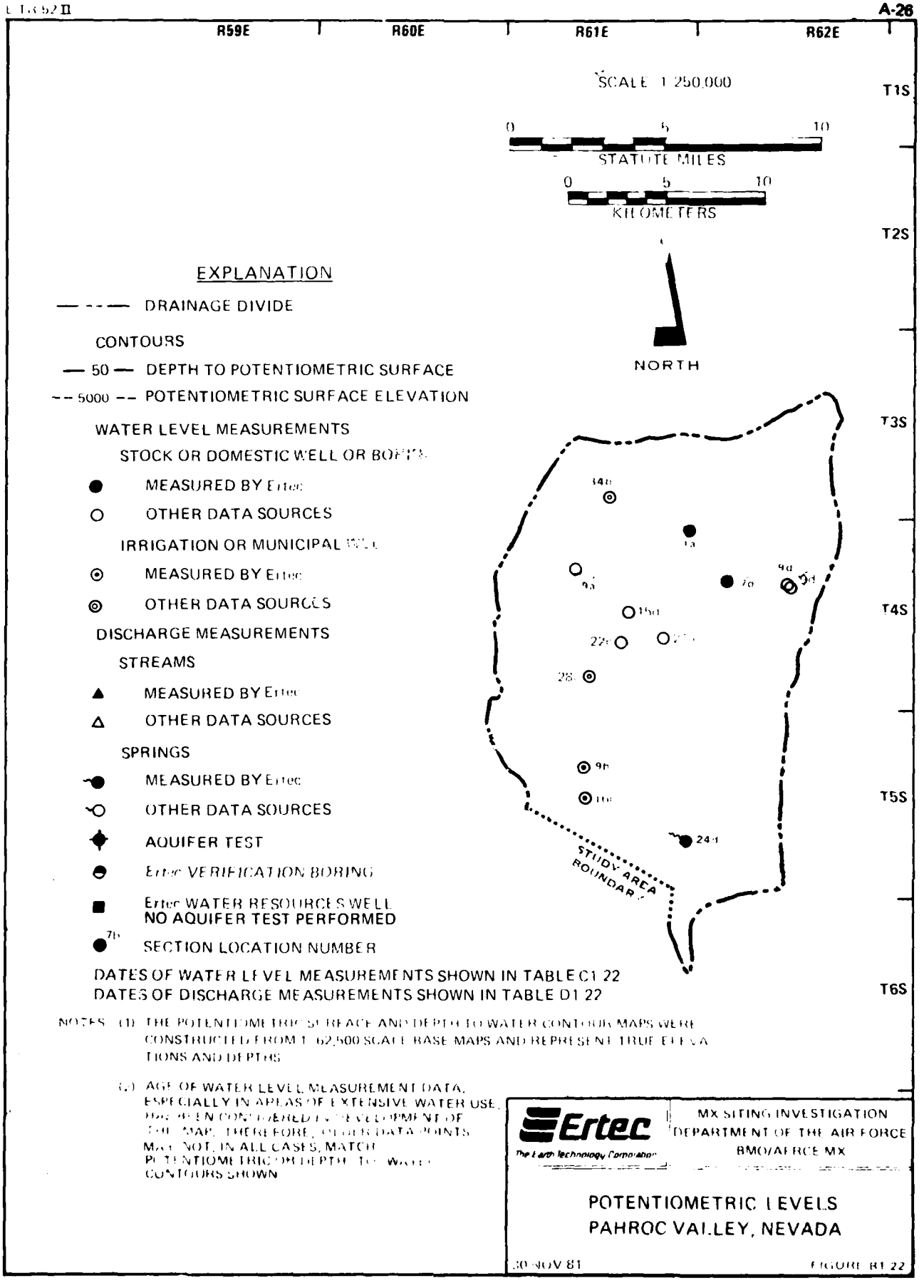
FIGURE B1 21



DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-21
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-21

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62 500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

2 AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP THEREFORE, OLDER DATA POINTS MAY NOT IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN



NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN THE DEVELOPMENT OF THIS MAP; THEREFORE, OTHER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.

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POTENTIOMETRIC LEVELS
PAHROC VALLEY, NEVADA

30 NOV 81

FIGURE B1.22

R53E R54E R55E R56E R57E

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

4750 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Entec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

⊙ MEASURED BY Entec

◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Entec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Entec

OTHER DATA SOURCES

AQUIFER TEST

Entec VERIFICATION BORING

Entec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1.23
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1.23

NOTES: 1. THE POTENTIOMETRIC SURFACE DEPICTED ON WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:500 SCALE BASE MAPS AND REPRESENT THE RELATIVE ELEVATIONS AND DEPTHS

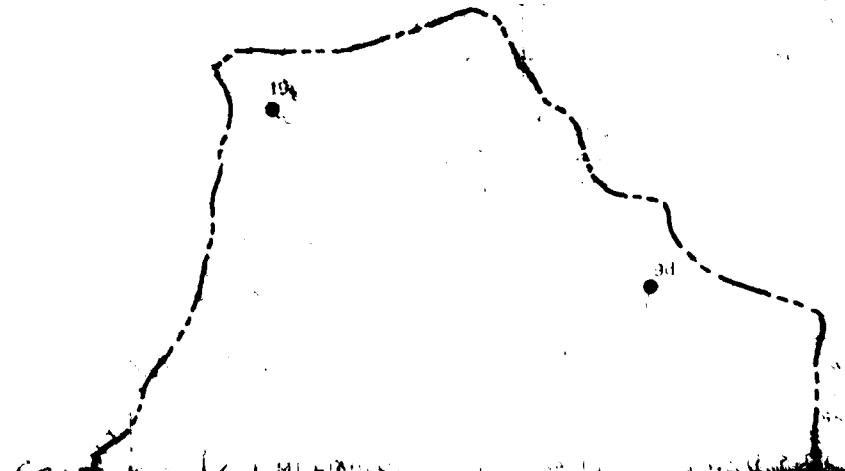
2. USE OF WATER LEVEL MEASUREMENT DATA ESPECIALLY IN AREAS OF EXTENSIVE WATER USE WAS BEST CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE DATA POINTS MAY NOT IN ALL CASES MATCH POTENTIOMETRIC OR EQUIPOTENTIAL CONTOURS SHOWN

NORTH

SCALE 1:250,000

0 5
STATUTE MILES

0 5 10
KILOMETERS



R54E R55E R56E R57E R58E

T7N

T6N

T5N

T4N

T3N

T2N

T1N

EXPLANATION

- DRAINAGE DIVIDE

CONTOURS

- 50 — DEPTH TO POTENTIOMETRIC SURFACE
- 4750 -- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- ● MEASURED BY Enec
- ○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- ⊙ MEASURED BY Enec
- ◎ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- ▲ MEASURED BY E nc
- △ OTHER DATA SOURCES

SPRINGS

- ●— MEASURED BY Enec
- ○— OTHER DATA SOURCES

- ◆ AQUIFER TEST
- ⊖ Enec VERIFICATION BORING
- ■ Enec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ● SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1 23
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1 23

NOTE: 1. THE POTENTIOMETRIC SURFACE OR DEPTH TO WATER CONTOURS MAPS WERE CONSTRUCTED FROM 1:250,000 SCALE BASE MAPS AND REPRESENT THE ELEVATIONS OR DEPTHS

2. USE OF WATER LEVEL MEASUREMENT DATA ESPECIALLY IN AREAS OF EXTENSIVE GROUNDWATER USE WAS GIVEN CONSIDERABLE IN DEVELOPMENT OF THIS MAP. THEREFORE CONTOUR POINTS MAY NOT IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER MEASUREMENTS SHOWN

NORTH

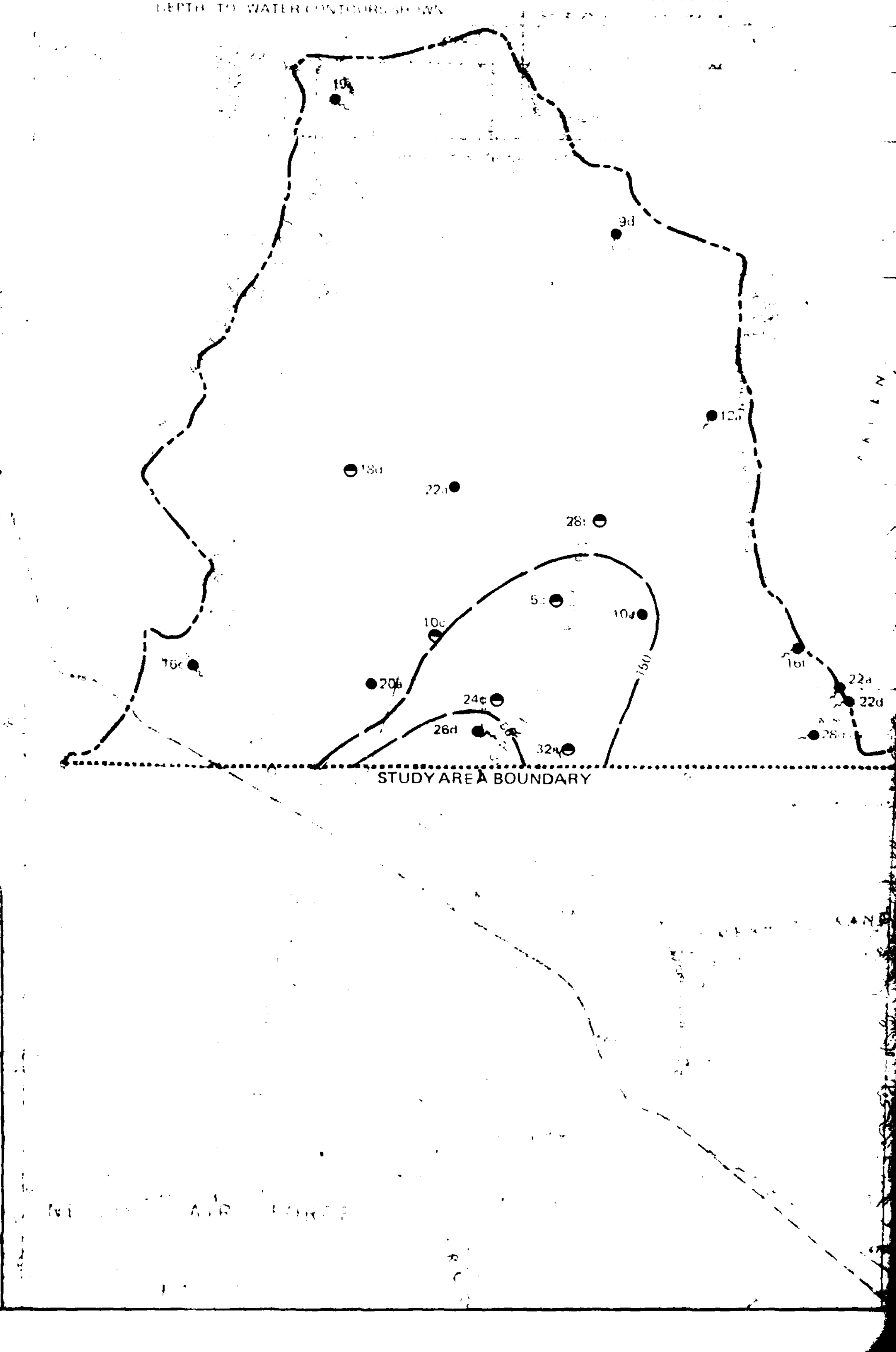
SCALE 1:250,000

0 5 10
STATUTE MILES

0 5 10
KILOMETERS

NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.



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DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX

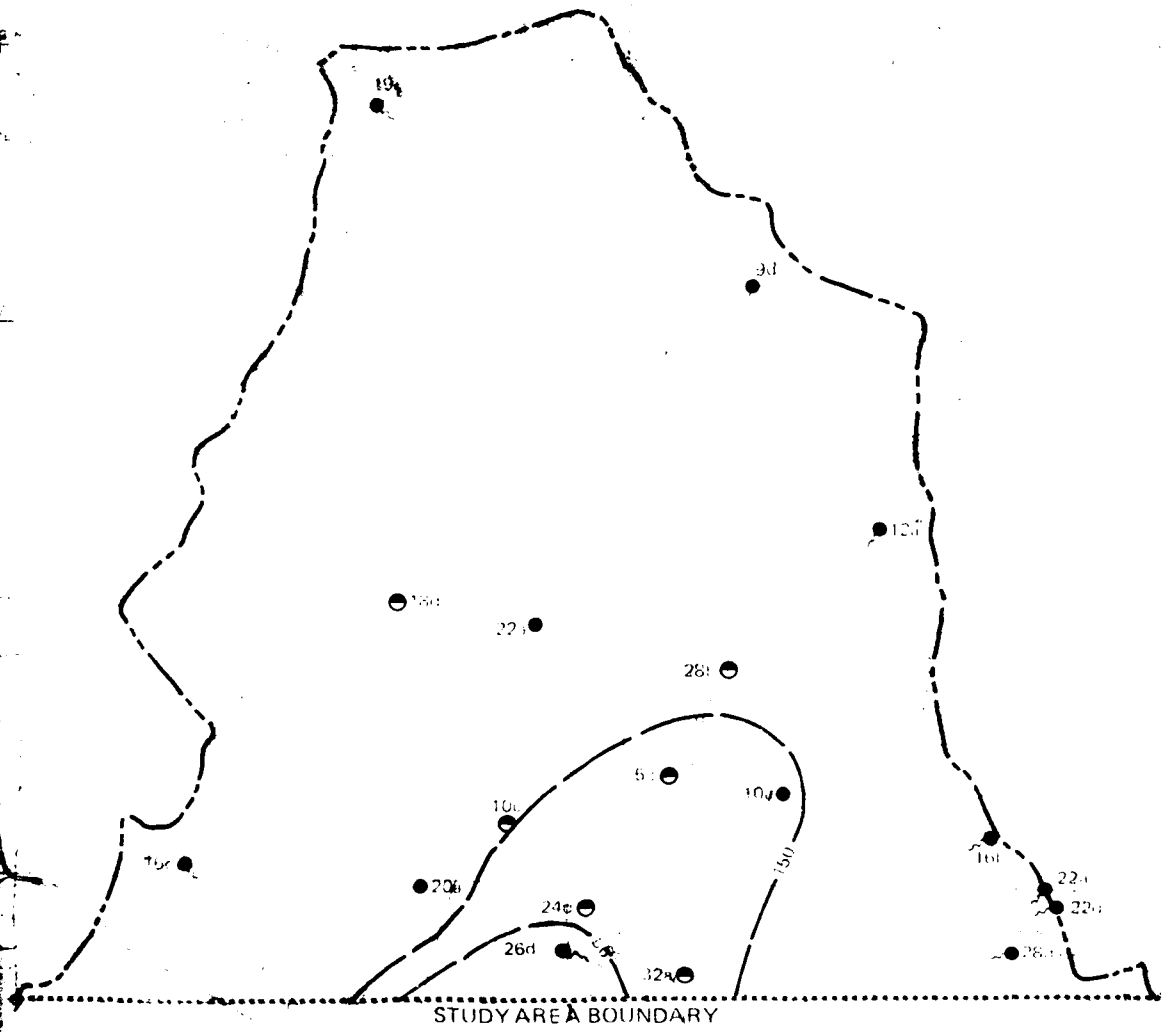
POTENTIOMETRIC LEVELS
PENOYER VALLEY, NEVADA

30 NOV 81

FIGURE B1-23

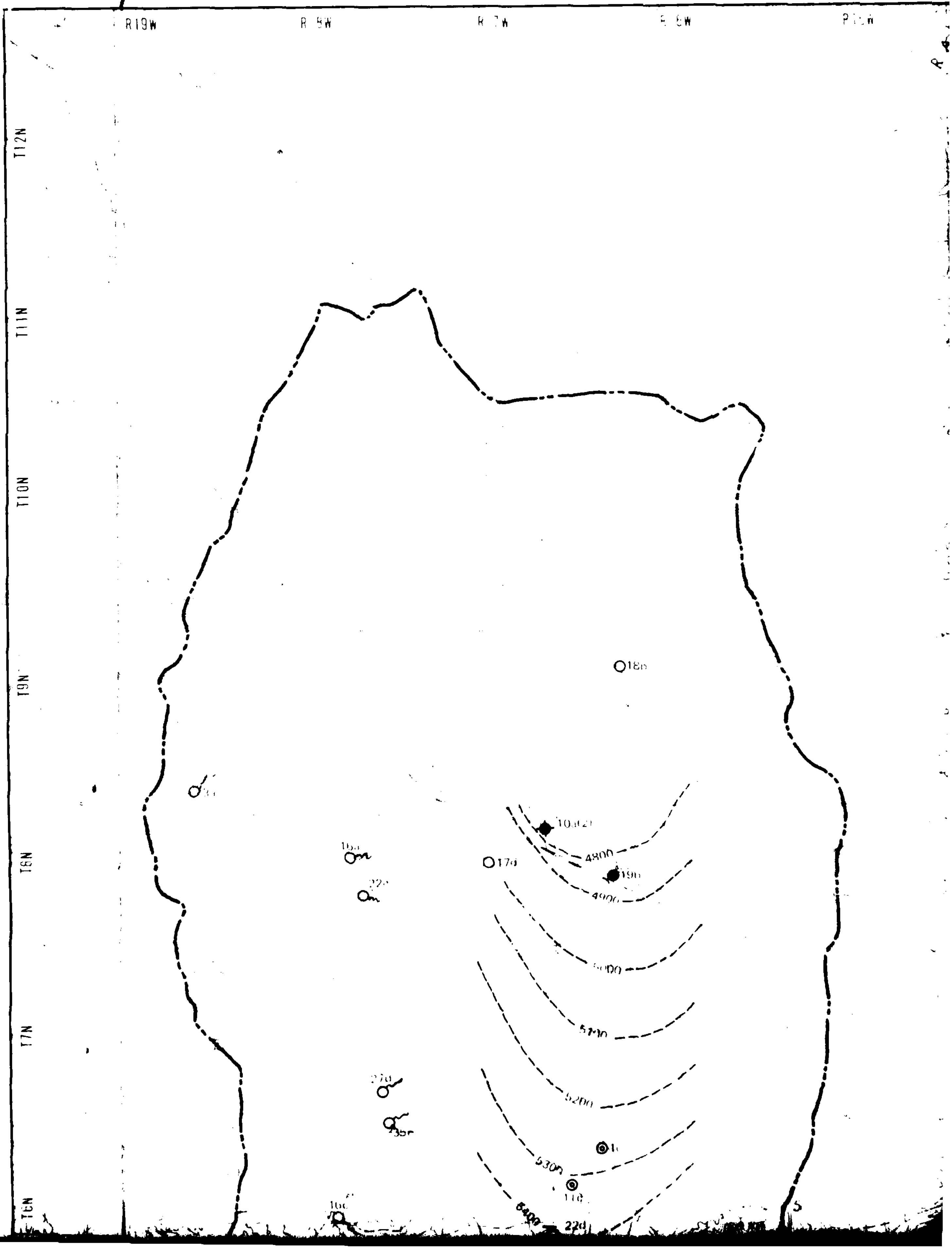
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:24,000 SCALE BASE MAPS AND REPRESENT THE ELEVATIONS AND DEPTHS

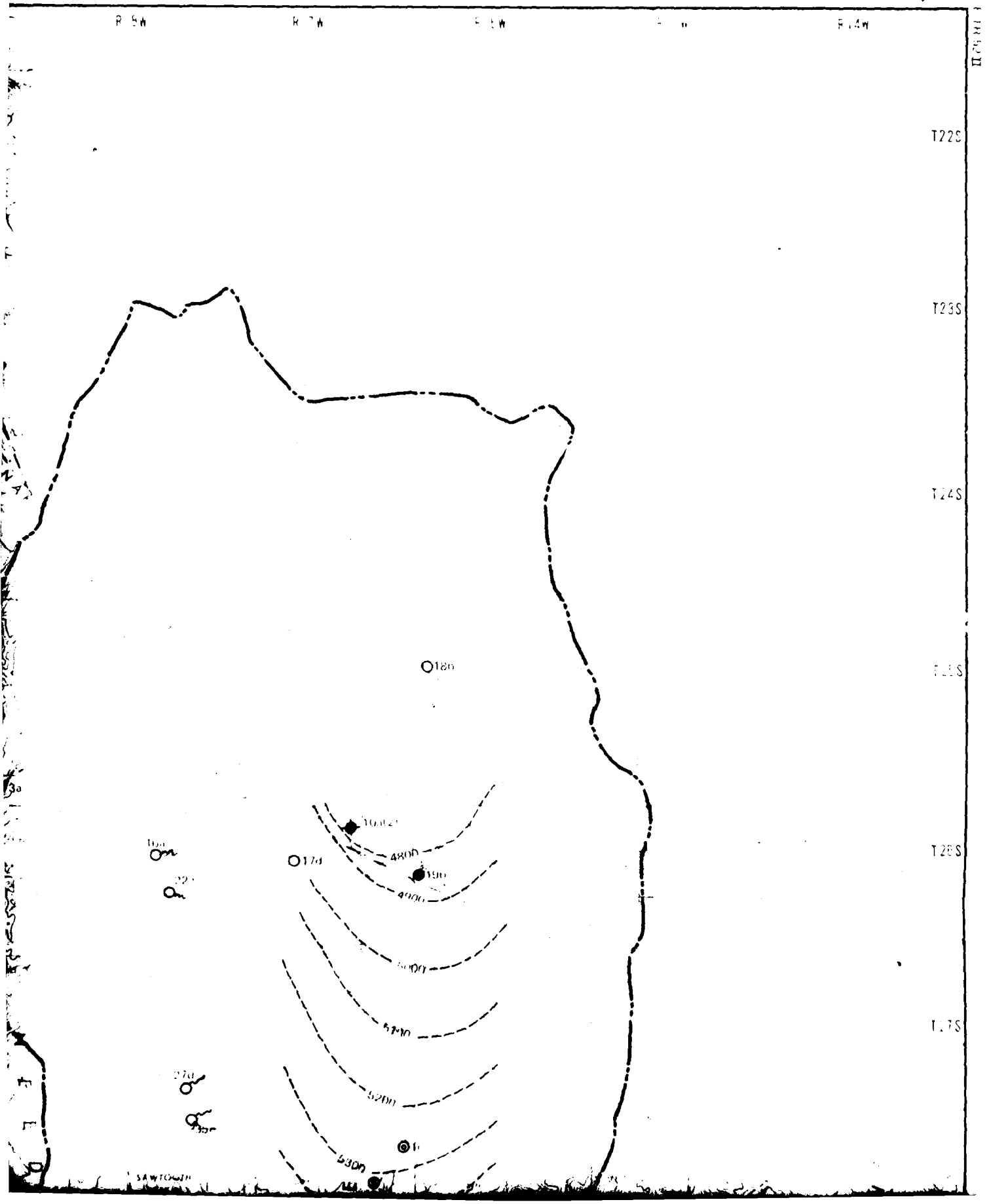
(2) USE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, INDIVIDUAL DATA POINTS MAY NOT IN ALL CASES MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN

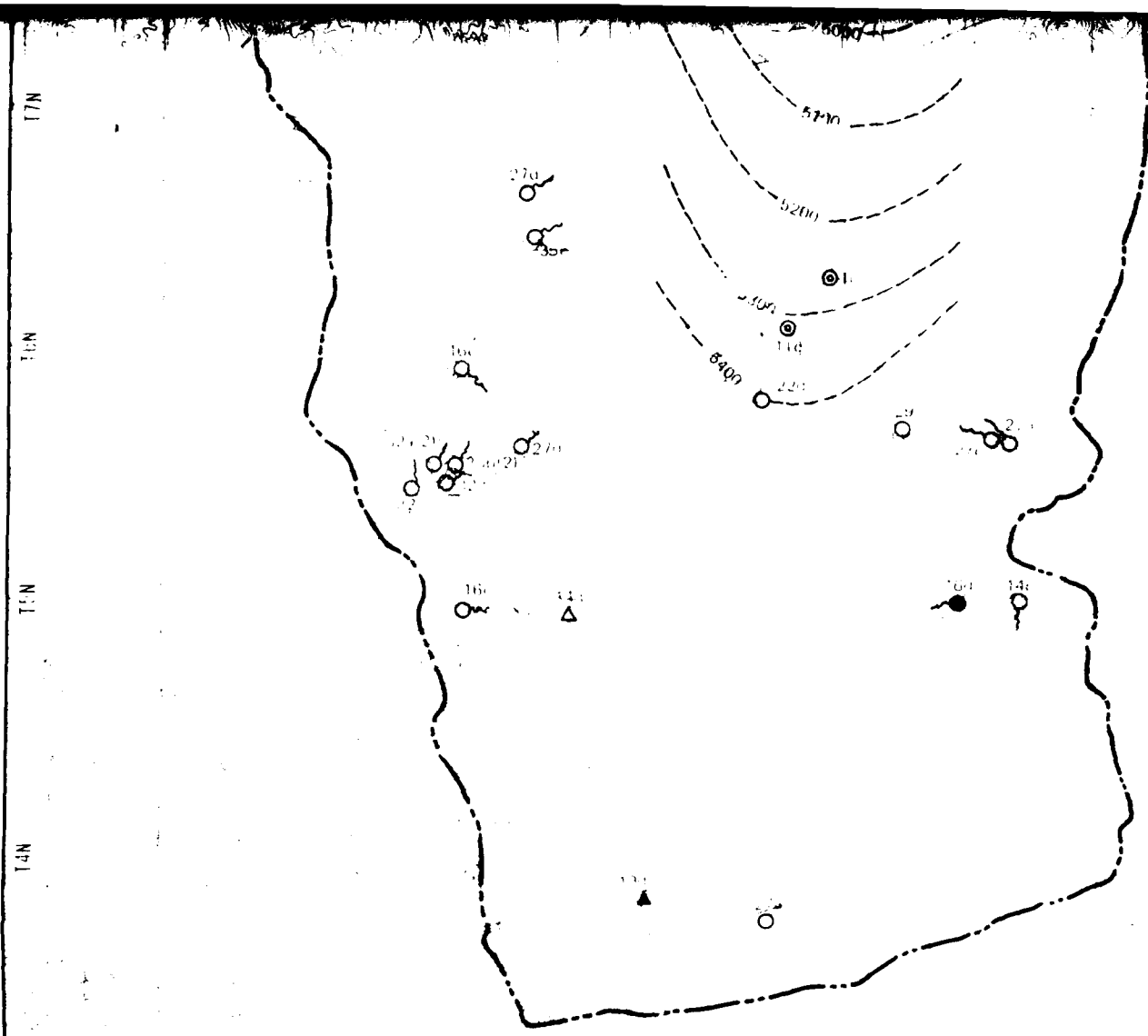


T2N
T1N
T1S
T2S
T3S
T4
T5S

A-27


R19W
T12N
T11N
T10N
T9N
T8N
T7N
T6N
4800
4900
5200
5300


R 5W
R 4W
T22S
T23S
T24S
T25S
T26S
T27S
180
170
4800
4900
5000
5100
5200
5300
SAWTOOTH



EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- 50 — DEPTH TO POTENTIOMETRIC SURFACE
- 5200 — POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ⊙ MEASURED BY Ertec
    - ⊙ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ⊖ Ertec VERIFICATION B
- ■ Ertec WATER RESOURC
  NO AQUIFER TEST PER
- ● SECTION LOCATION NU
- DATES OF WATER LEVEL MEASUREMEN
- DATES OF DISCHARGE MEASUREMENTS

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH CONTOUR MAPS WERE CONSTRUCTED FROM SCALE AND BASE MAPS AND REPRESENT TRU

2 AGE OF WATER LEVEL MEASUREMENT DATA ESPECIALLY IN AREAS OF EXTENSIVE WATER CONSIDERED IN DEVELOPMENT OF THIS MAP DATA POINTS MAY NOT, IN ALL CASES MATC DEPTH TO WATER CONTOURS SHOWN

NORTH

SCALE 1:25

0 5

STATUTE

0 5

KILOME

Ertec

MASSING INVESTIGATION
DEPARTMENT OF THE AIR FORCE
HILL AIR FORCE BASE

POTENTIOMETRIC LEVELS
PINE VALLEY, UTAH

30 NOV 81

FIGURE 81-24

NORTH

SCALE 1:250,000

0 5 10
STATUTE MILES

0 5 10
KILOMETERS

EXPLANATION

- DRAINAGE DIVIDE

CONTOURS

- 50 — DEPTH TO POTENTIOMETRIC SURFACE
- 6200 - - POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

- ● MEASURED BY [illegible]
- ○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

- ⊙ MEASURED BY [illegible]
- ⊙ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

- ▲ MEASURED BY [illegible]
- △ OTHER DATA SOURCES

SPRINGS

- ● MEASURED BY [illegible]
- ○ OTHER DATA SOURCES

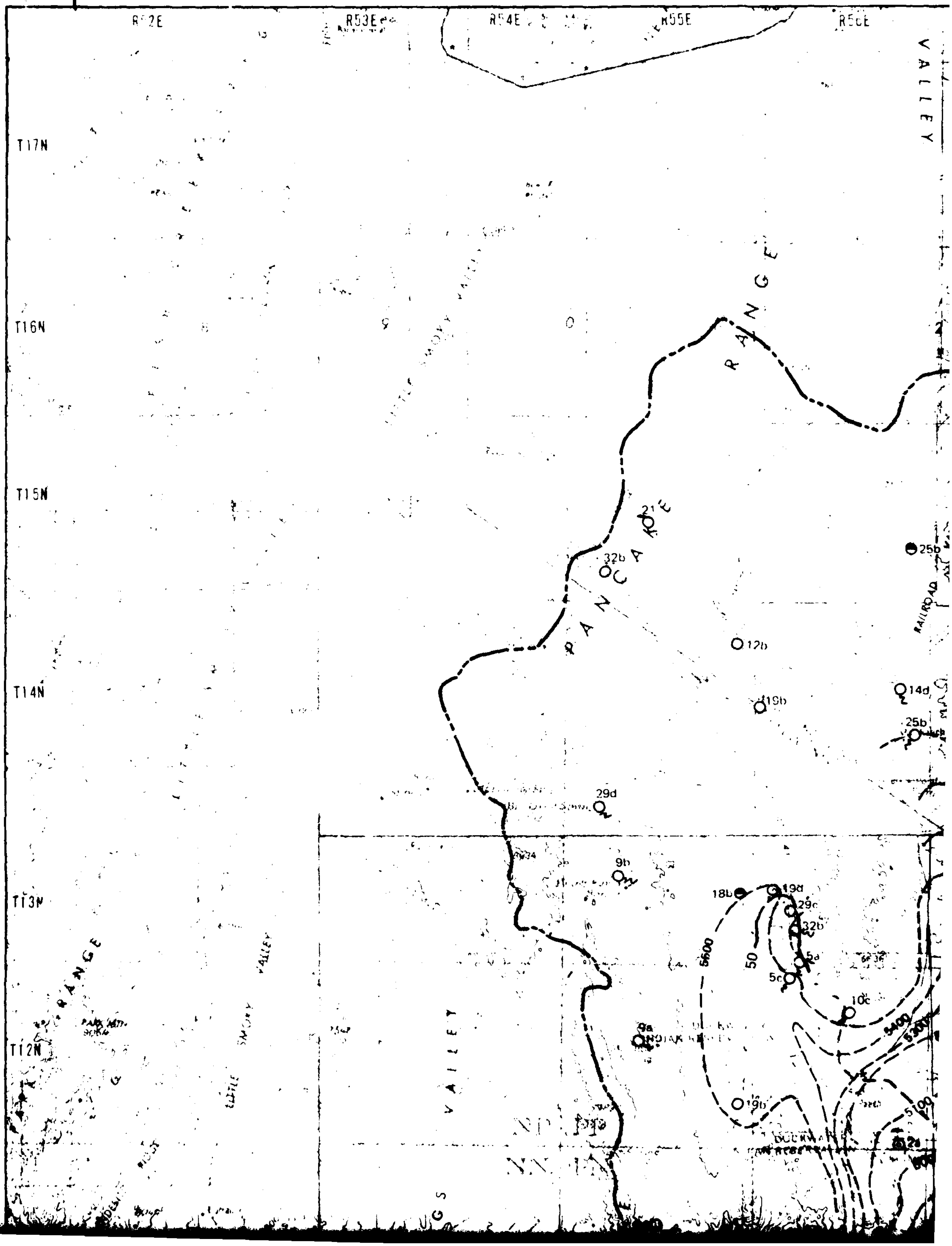
- ✦ AQUIFER TEST
- ⊖ [illegible] VERIFICATION BORING
- ■ [illegible] WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ● 76 SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1.24

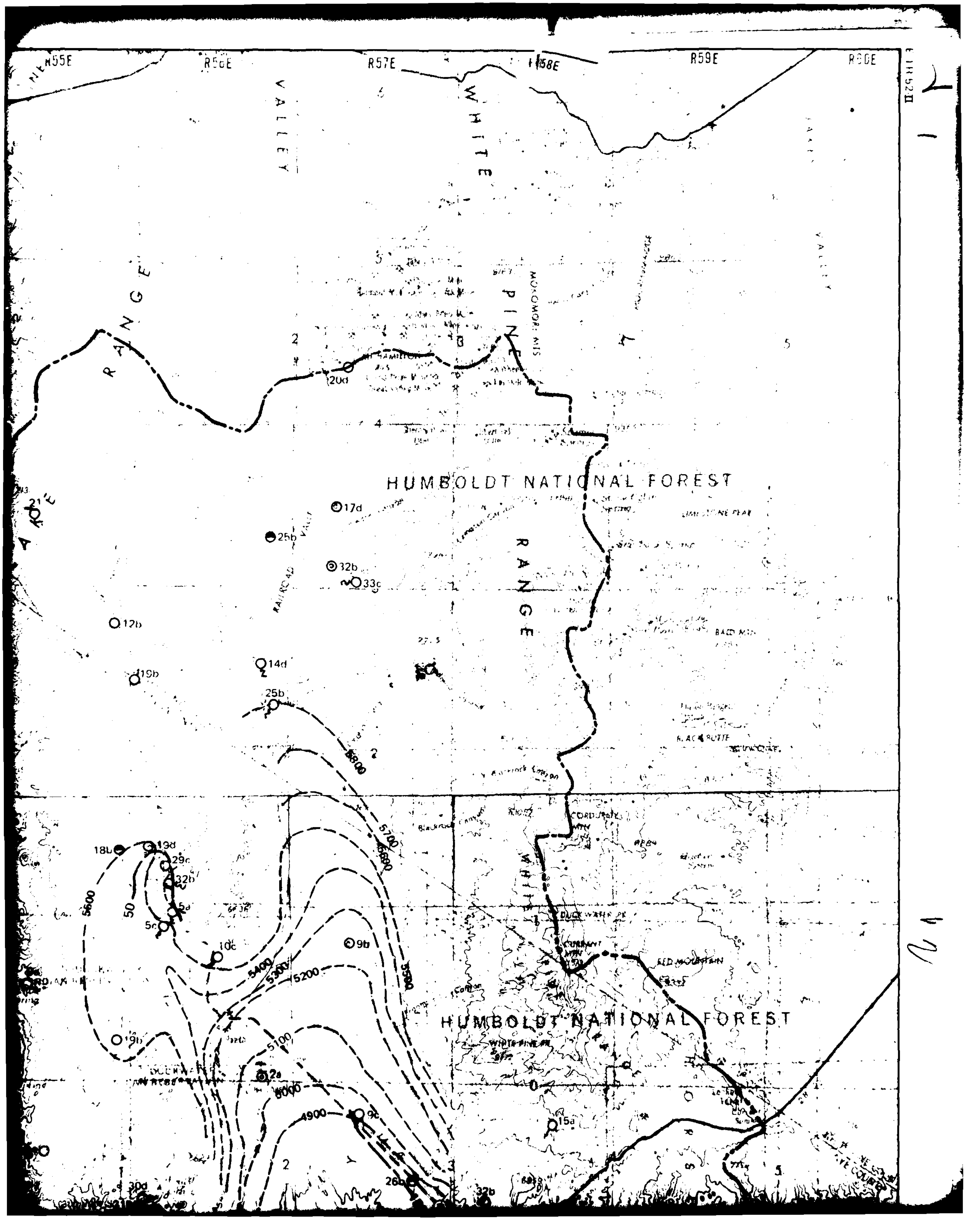
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1.24

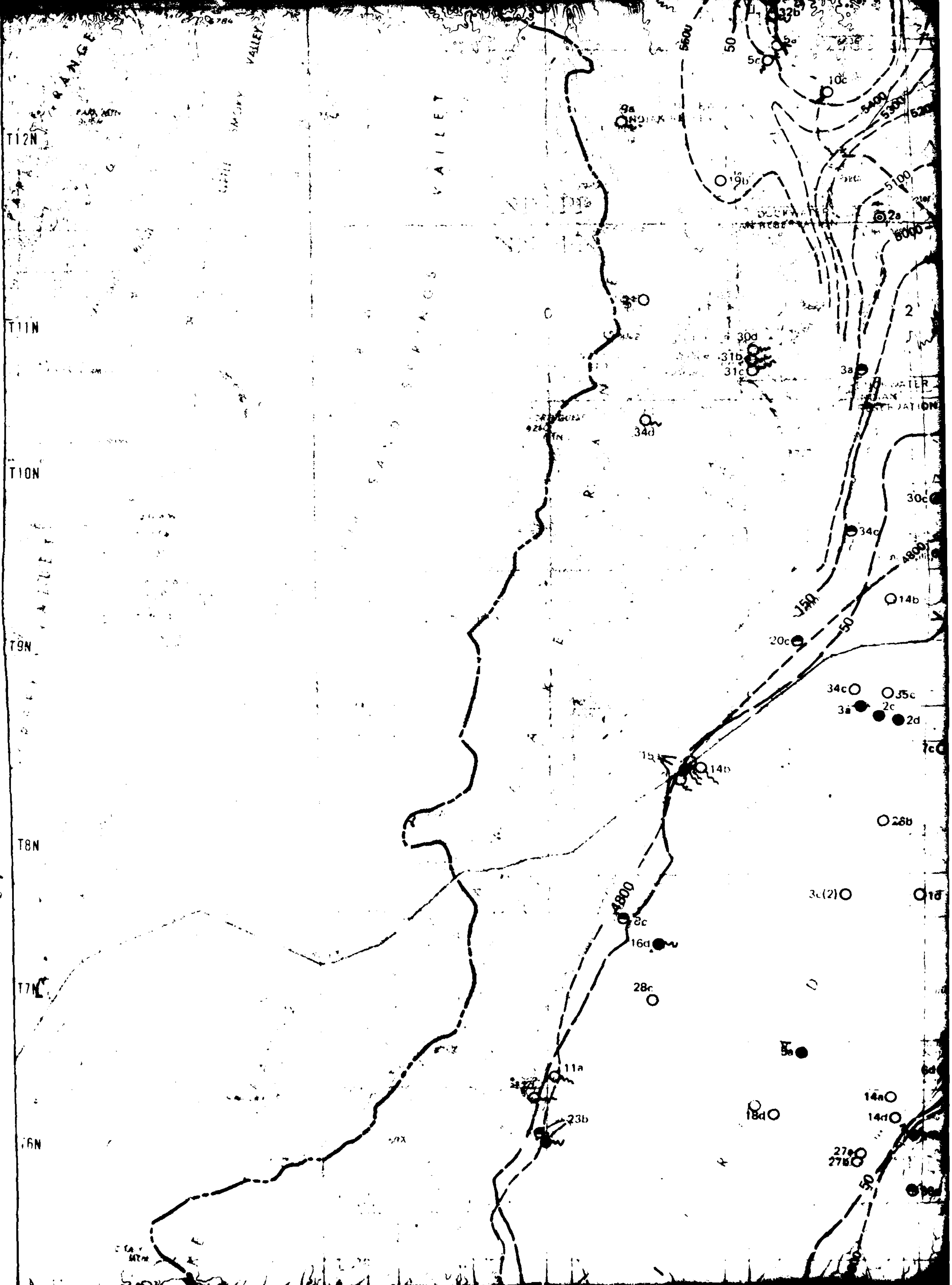
NOTES: 1. THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE AND BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

2. AGE OF WATER LEVEL MEASUREMENT DATA ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN

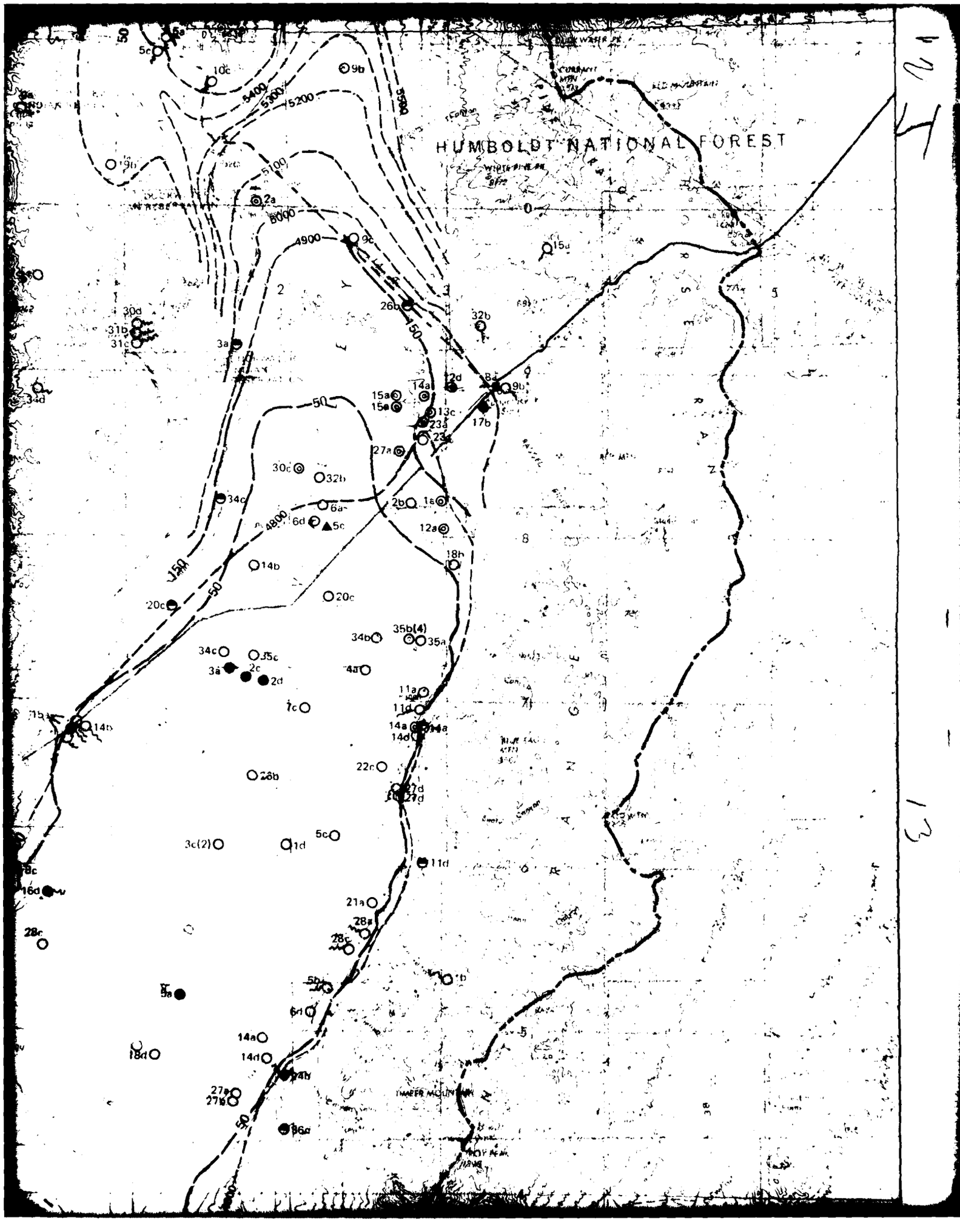


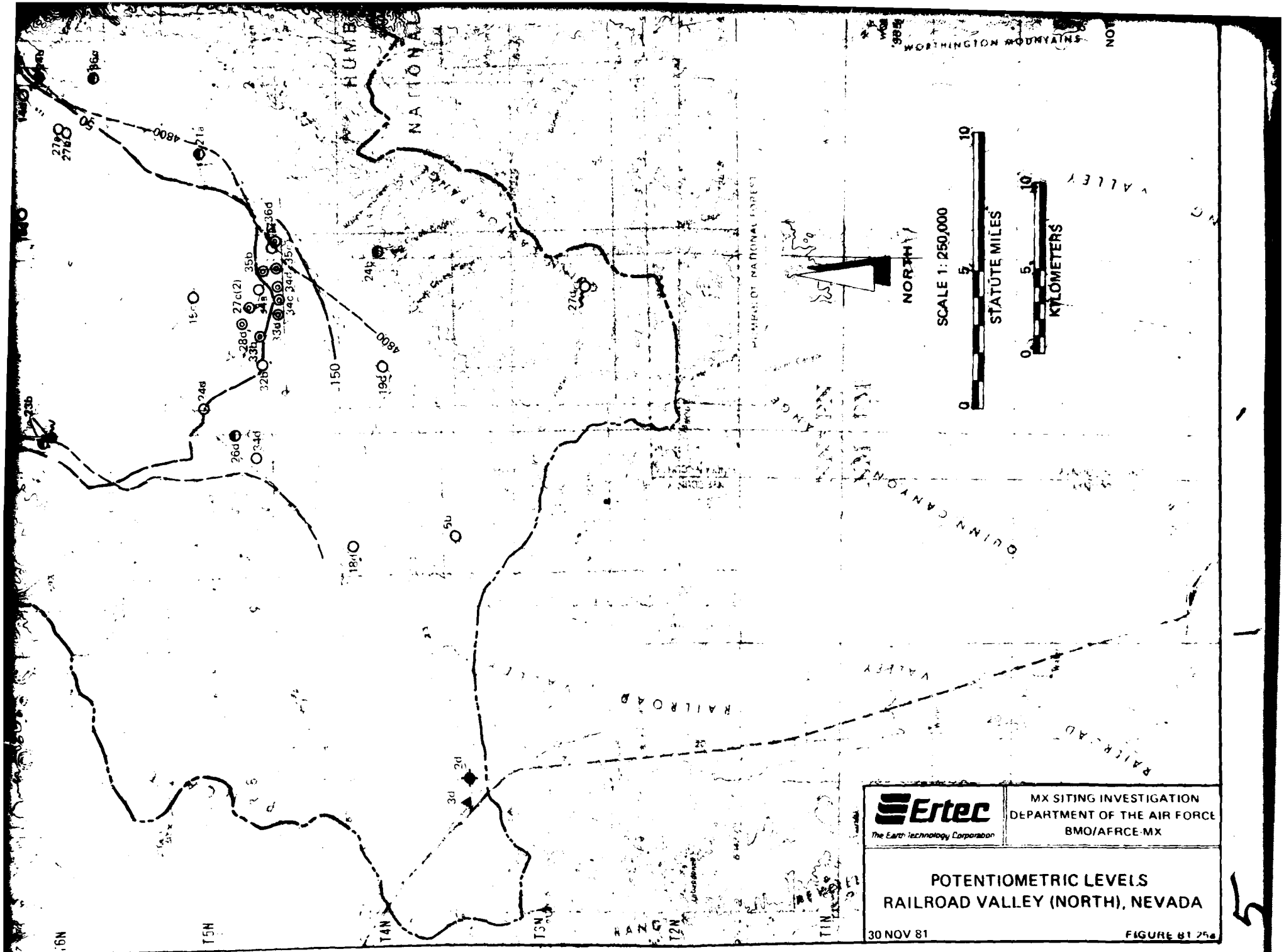
R52E
R53E
R54E
R55E
R56E
T17N
T16N
T15N
T14N
T13N
T12N
VALLEY
RANGE
PANCAKE
RAILROAD
32b
21
25b
12b
14d
19b
29d
9b
18b
19d
29c
5a
5c
10c
9a
5600
5400
5300
5100
RANGE
VALLEY
LITTLE SMOKY

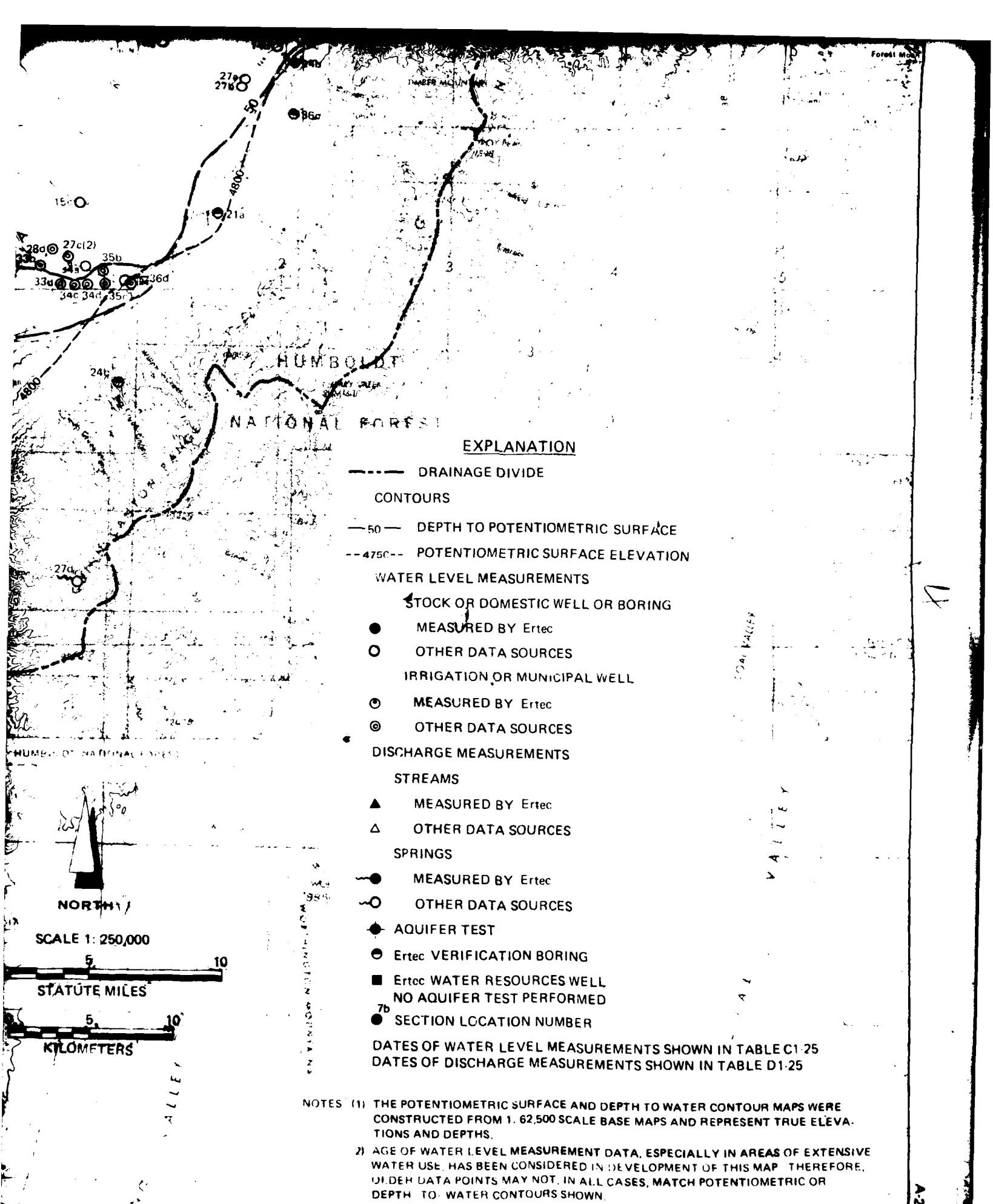

R55E
R56E
R57E
R58E
R59E
R60E
VALLEY
WHITE
PINE
RANGE
HUMBOLDT NATIONAL FOREST
RANGE
RAILROAD VALLEY
20d
17d
25b
32b
33c
12b
19b
14d
25b
5800
5700
5600
5500
5400
5300
5200
5100
5000
4900
18b
19d
29c
32b
5d
5c
10c
9b
19b
2a
9c
26b
30d
32b
15a
DUCKWATER PK
RED MOUNTAIN
BALD MTN
BLACK BUTTE
LIMESTONE PEAK
HUMBOLDT NATIONAL FOREST



T12N
T11N
T10N
T9N
T8N
T7N
T6N
RANGE
VALLEY
5600
50
5400
5300
5200
5100
5000
4800
150
50
4800
50
32b
5c
10c
9a
19b
2a
30d
31b
31c
3a
34d
2
30c
34c
14b
20c
34c
35c
3a
2c
2d
7c
15
14b
26b
3c(2)
1d
8c
16d
28c
5a
11a
23b
18d
14a
14d
27a
27b

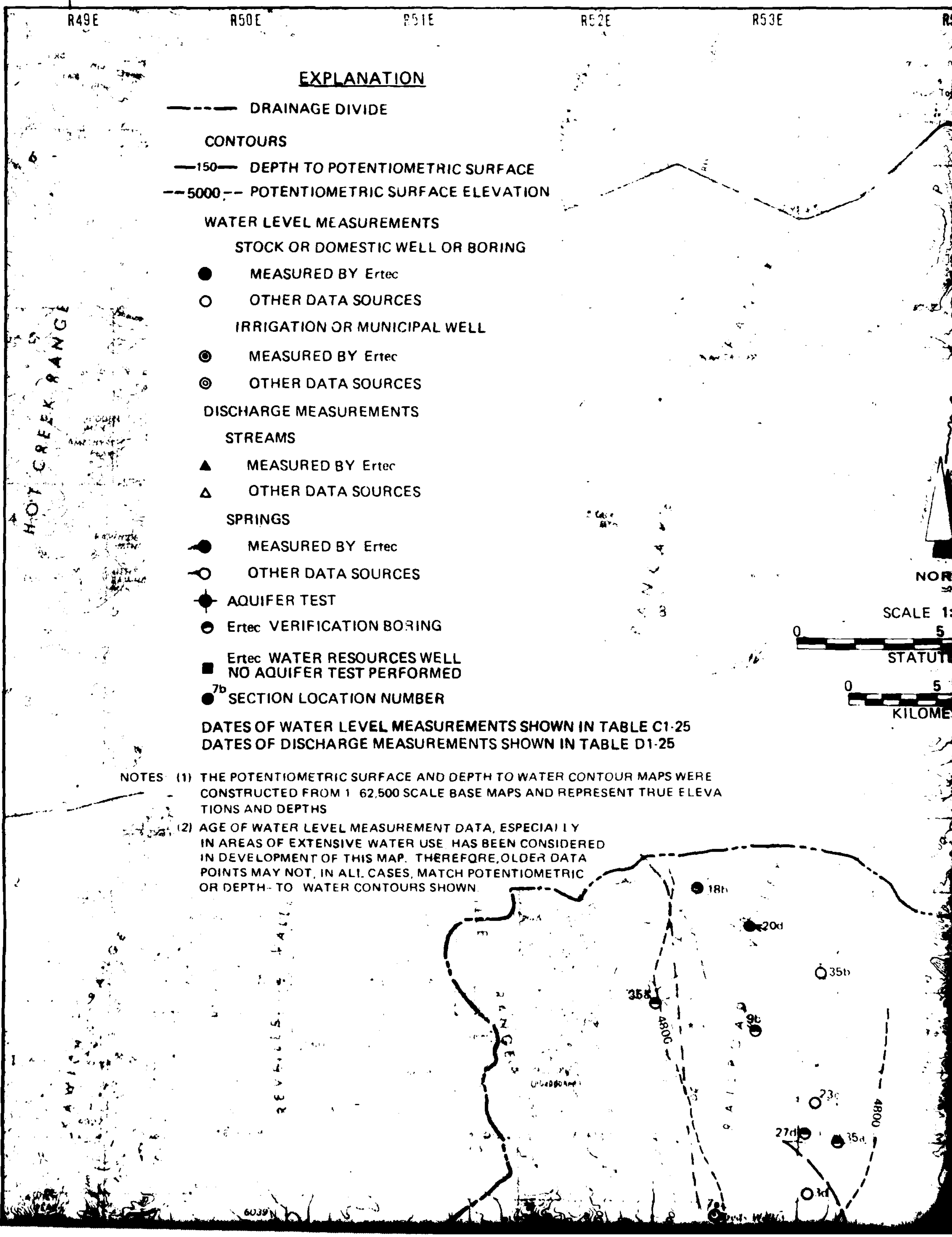

HUMBOLDT NATIONAL FOREST
5400
5300
5200
5100
5000
4900
4800
50
150

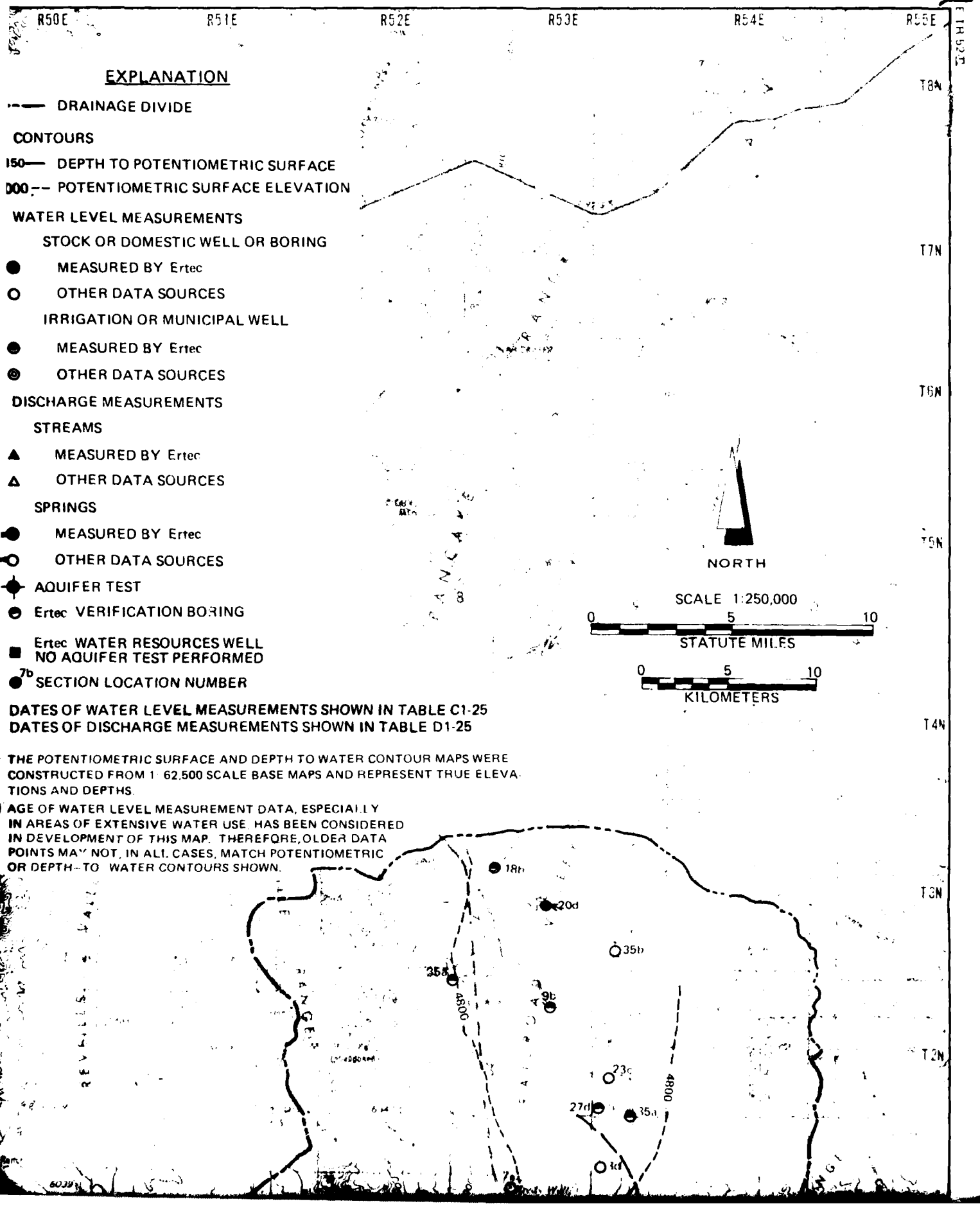

WORTHINGTON MOUNTAINS
HUMBOLDT NATIONAL FOREST
NORTH
SCALE 1: 250,000
STATUTE MILES
KILOMETERS
0
5
10
4800
150
T6N
T5N
T4N
T3N
T2N
T1N
RAILROAD VALLEY
QUINN CANYON RANGE
Ertec
The Earth Technology Corporation
MX SITING INVESTIGATION
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX
POTENTIOMETRIC LEVELS
RAILROAD VALLEY (NORTH), NEVADA
30 NOV 81
FIGURE B1.25a



NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.

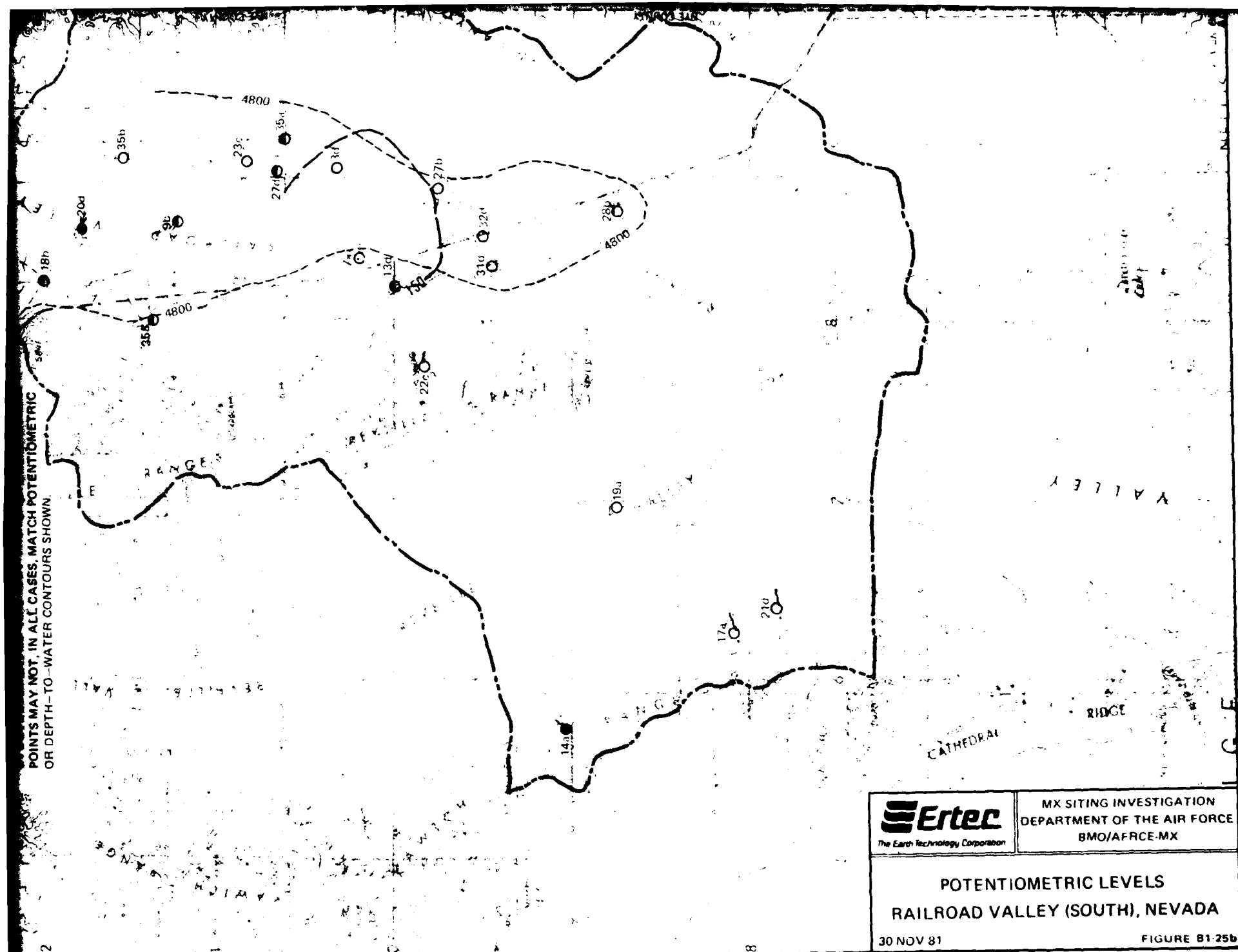

R49E
R50E
R51E
R52E
R53E
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
150 DEPTH TO POTENTIOMETRIC SURFACE
5000 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-25
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-25
NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN
HOT CREEK RANGE
NOR
SCALE 1:
0
5
STATUT
0
5
KILOME
18b
20d
35b
35a
4800
9b
23c
27d
35a
3d
7b
4800
6039



DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-25
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-25

THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN.



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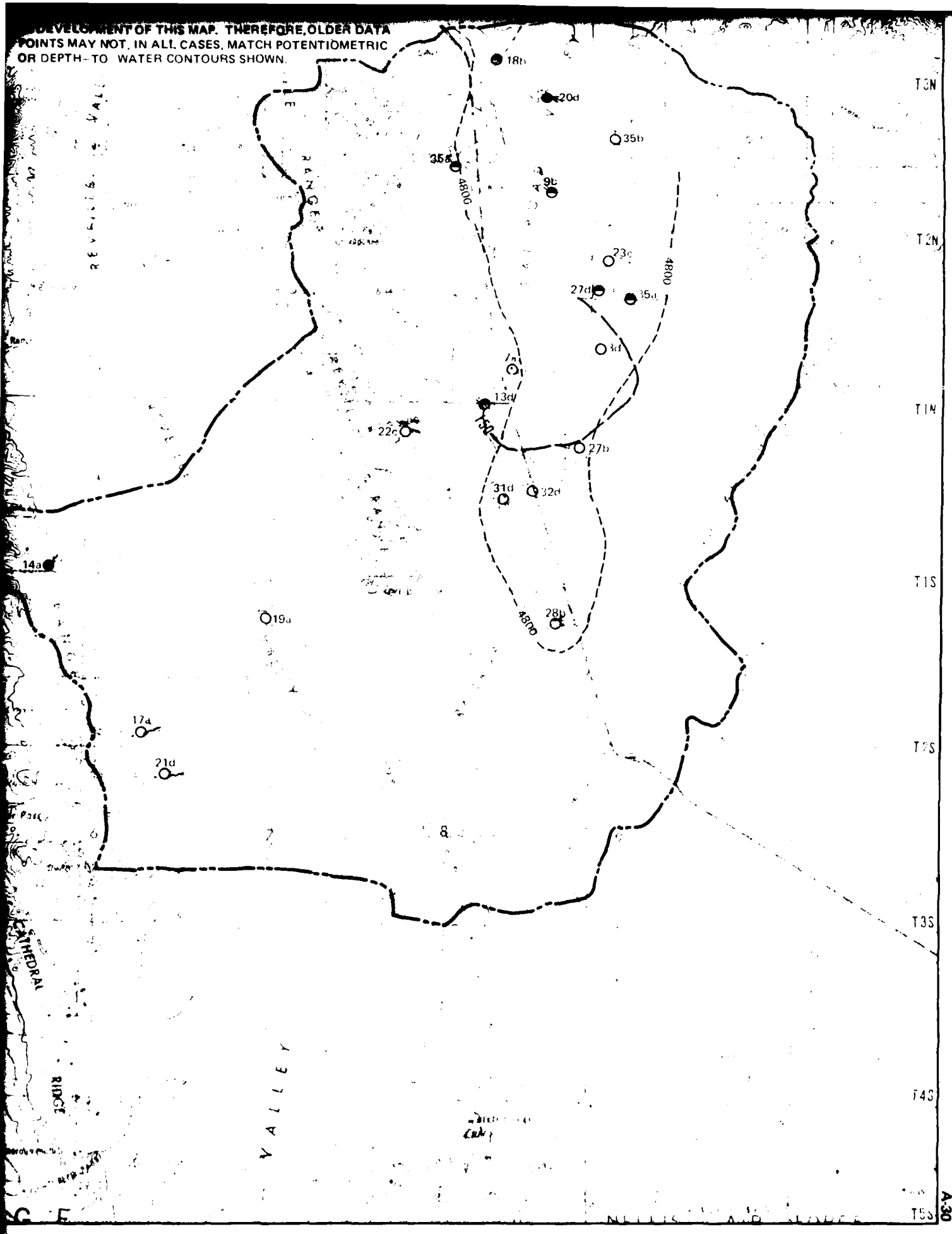
BMO/AFRCE-MX

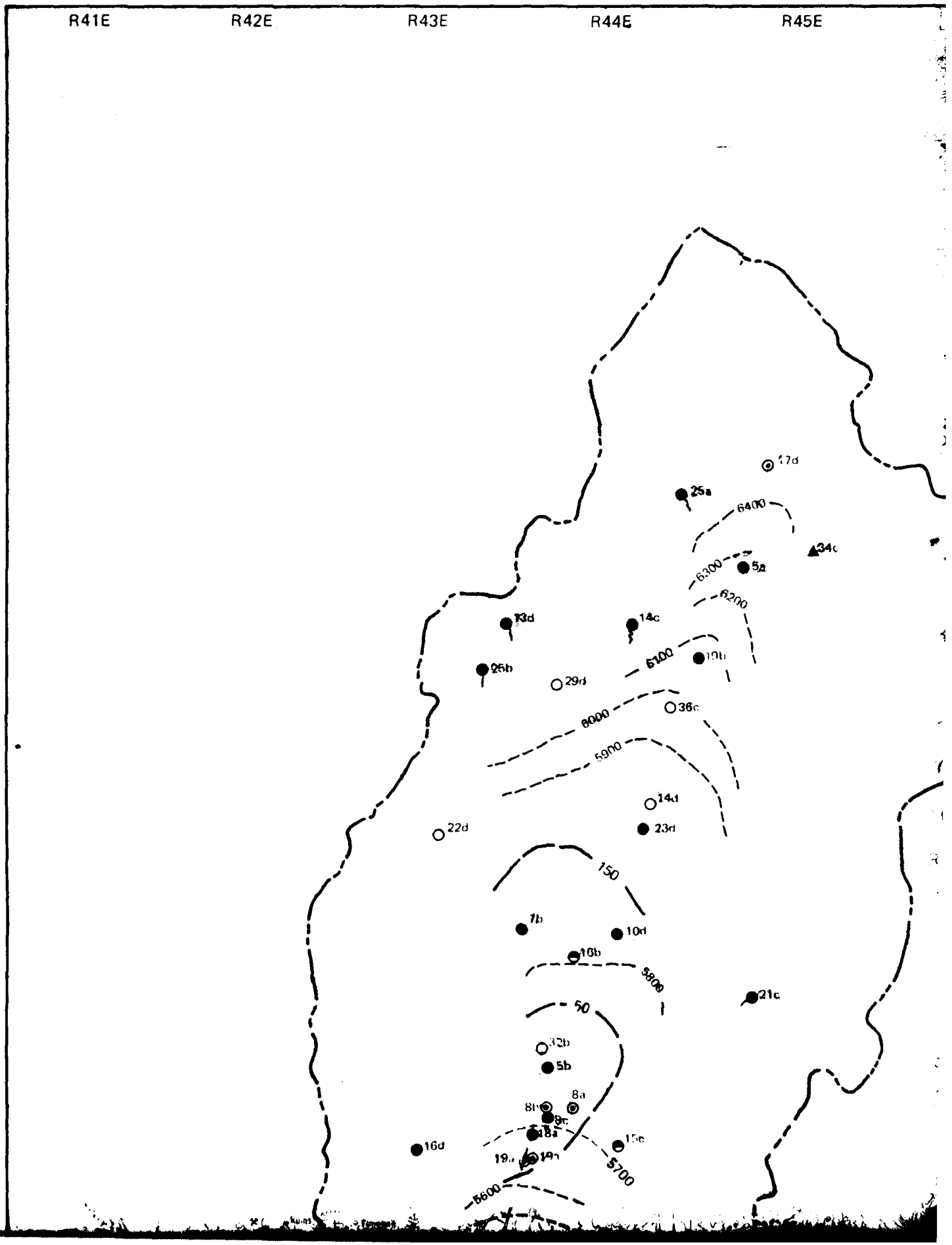
POTENTIOMETRIC LEVELS
RAILROAD VALLEY (SOUTH), NEVADA

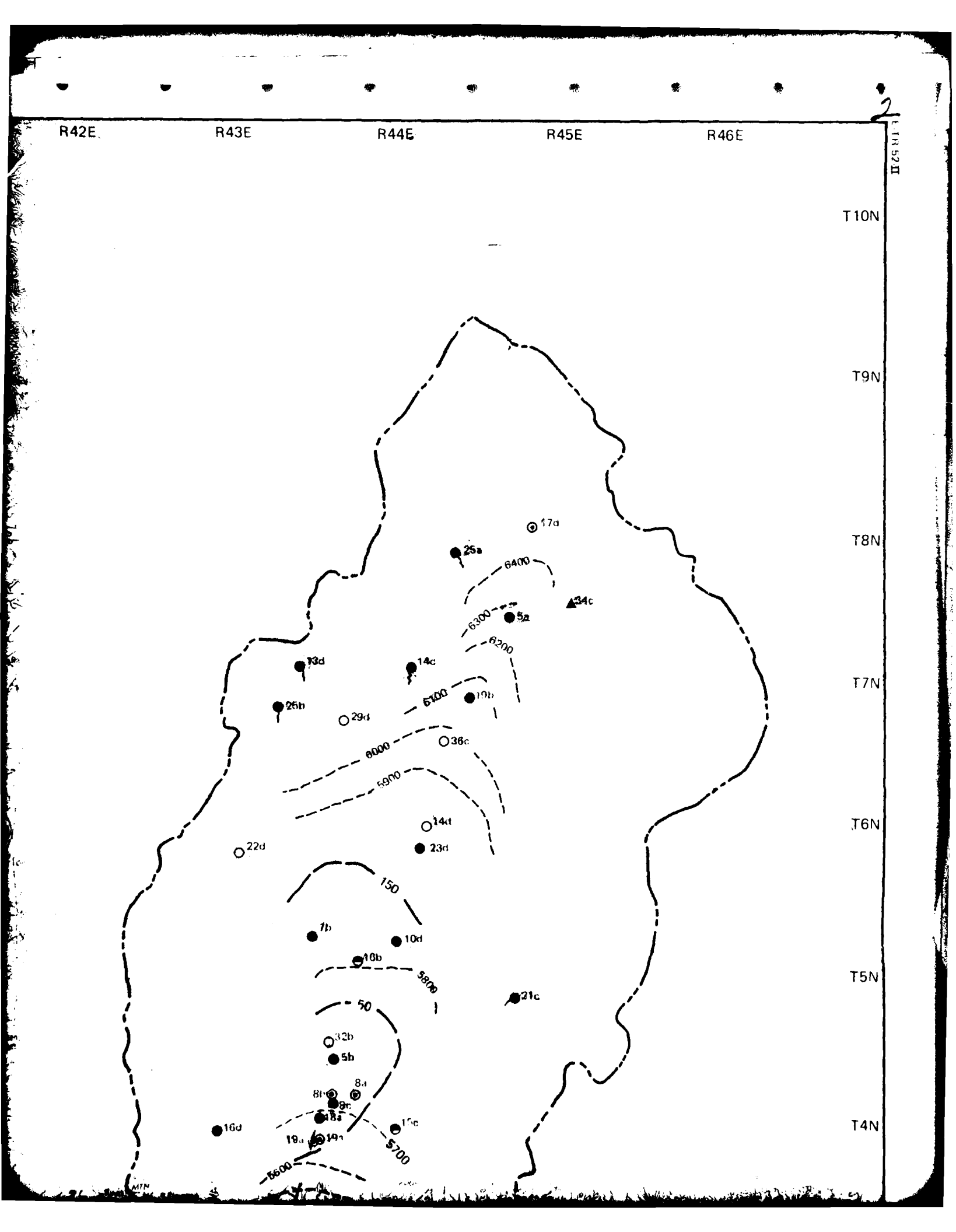
30 NOV 81

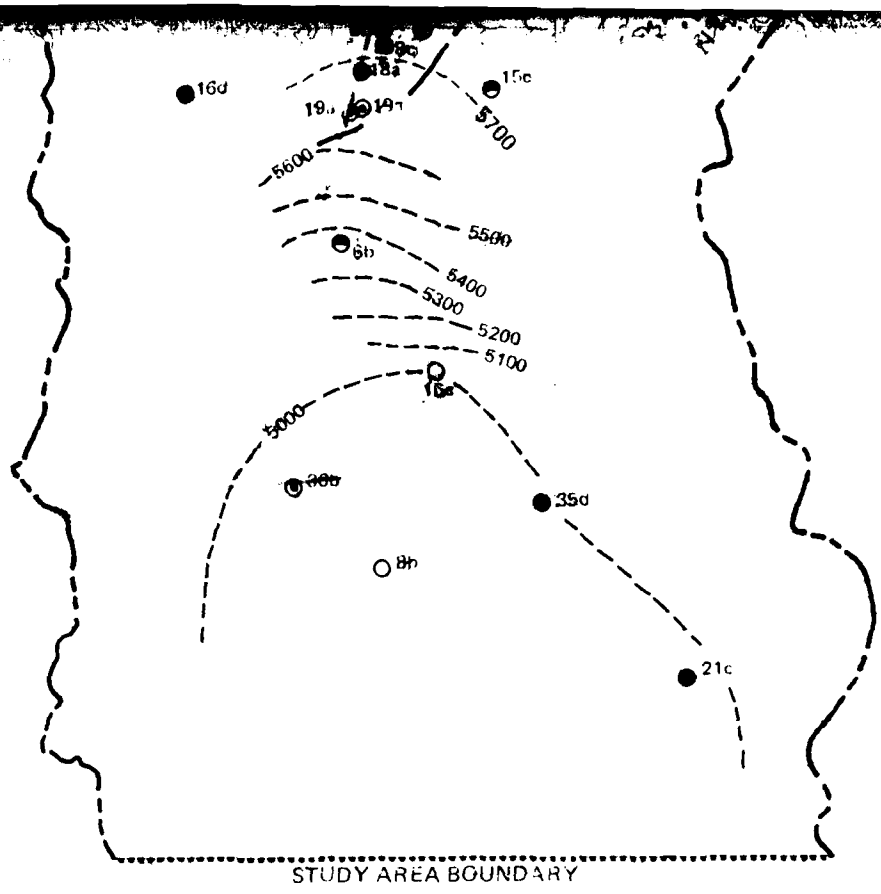
FIGURE B1-25b


DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO WATER CONTOURS SHOWN.
T3N
T2N
T1N
T1S
T2S
T3S
T4S
T5S
RANGE
VALLEY
RIDGE
CATHEDRAL
4800
18b
20d
35b
35a
9b
23c
27d
35d
3d
1
13d
22c
27b
31d
32d
14a
19a
28b
17a
21d

4


R41E
R42E
R43E
R44E
R45E
17d
25a
6400
34c
6300
5a
6200
13d
14c
6100
19b
25b
29d
36c
6000
5900
14d
22d
23d
150
7b
10d
16b
5800
21c
50
32b
5b
8a
8c
18a
15c
16d
19a
5700
5600


R42E
R43E
R44E
R45E
R46E
T10N
T9N
T8N
T7N
T6N
T5N
T4N
6400
6300
6200
6100
6000
5900
5800
5700
5600
150
50
17d
25a
34c
5a
13d
14c
19b
25b
29d
36c
14d
22d
23d
1b
10d
16b
21c
32b
5b
8a
16d
19a
14a
16c



EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- 50 — DEPTH TO POTENTIOMETRIC SURFACE
- 5400 — POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◉ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - ~● MEASURED BY Ertec
    - ~○ OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ● Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-2

NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER

NORTH
SCALE 1:250,000

0 5 10
STATUTE MILES

0 5 10
KILOMETERS

POTENTIOMETRIC
RALSTON VALLEY

30 NOV 81

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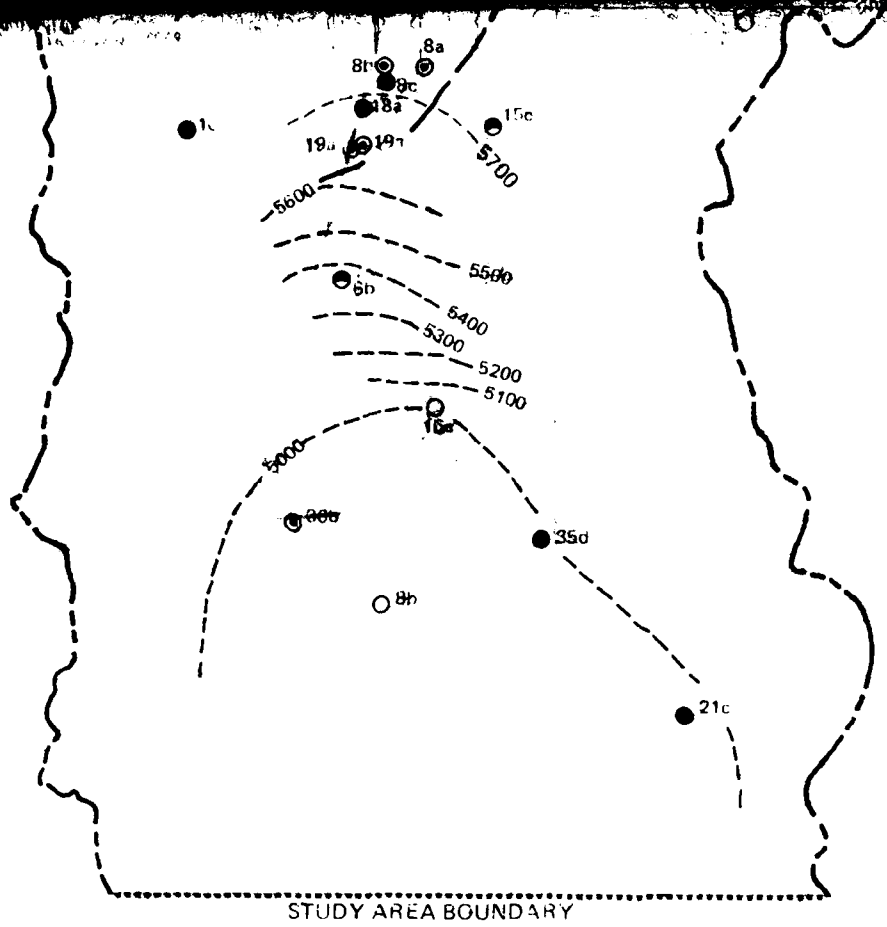
The Ertec Technology Corporation

MX SITI
DEPARTM



T4N

T3N

T2N

T1N

T1S

T2S

T3S

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

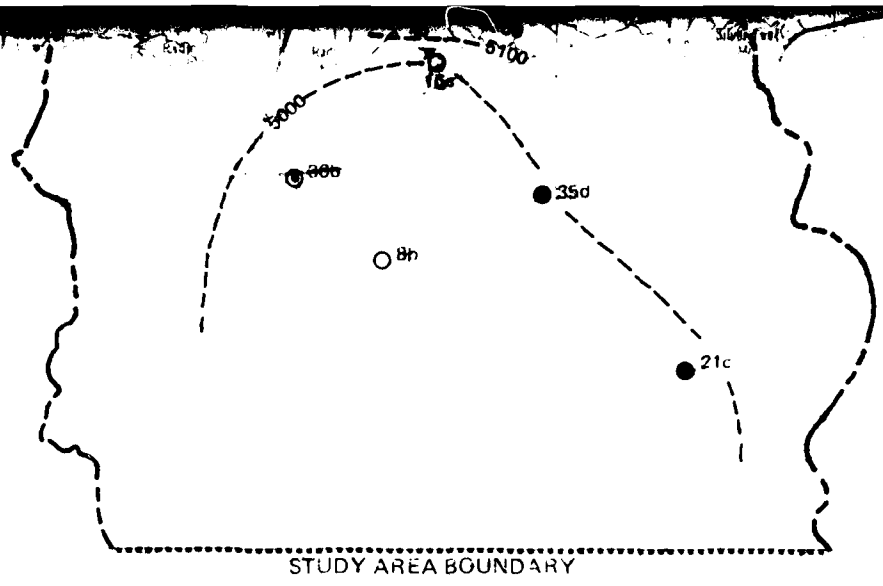
7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-26

TH
250,000

10
MILES

10
ETERS



EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
  - 50 — DEPTH TO POTENTIOMETRIC SURFACE
  - 5400 — POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◉ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - ~● MEASURED BY Ertec
    - ~○ OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ◒ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ●7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-2
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-26

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONT
CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRES
TIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN
WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THI
OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENT
DEPTH TO WATER CONTOURS SHOWN.

NORTH
SCALE 1:250,000

0 5 10
STATUTE MILES
0 5 10
KILOMETERS

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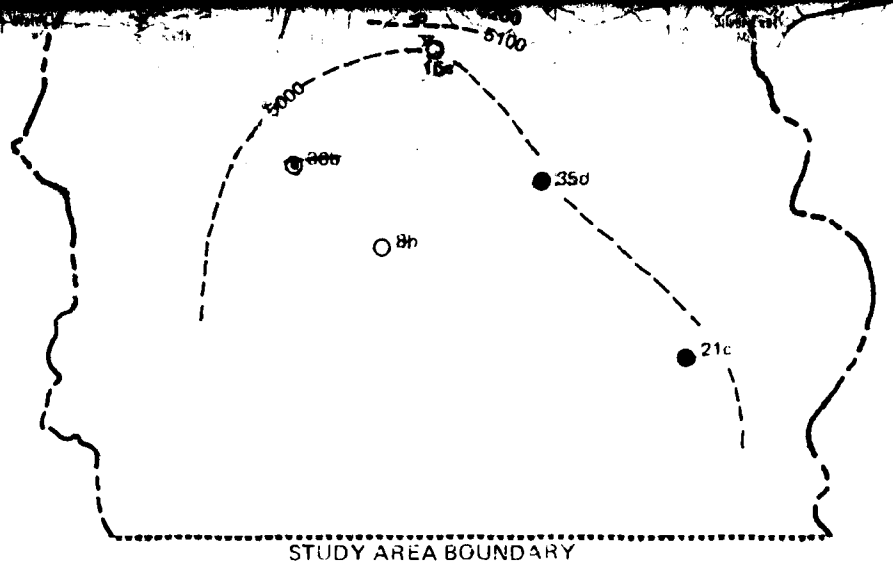
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX

POTENTIOMETRIC LEVELS
RALSTON VALLEY, NEVADA

30 NOV 81

FIGURE B1-26



T3N

T2N

T1N

T1S

T2S

T3S

T4S

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-26
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-26

NORTH

E 1:250,000

5 10

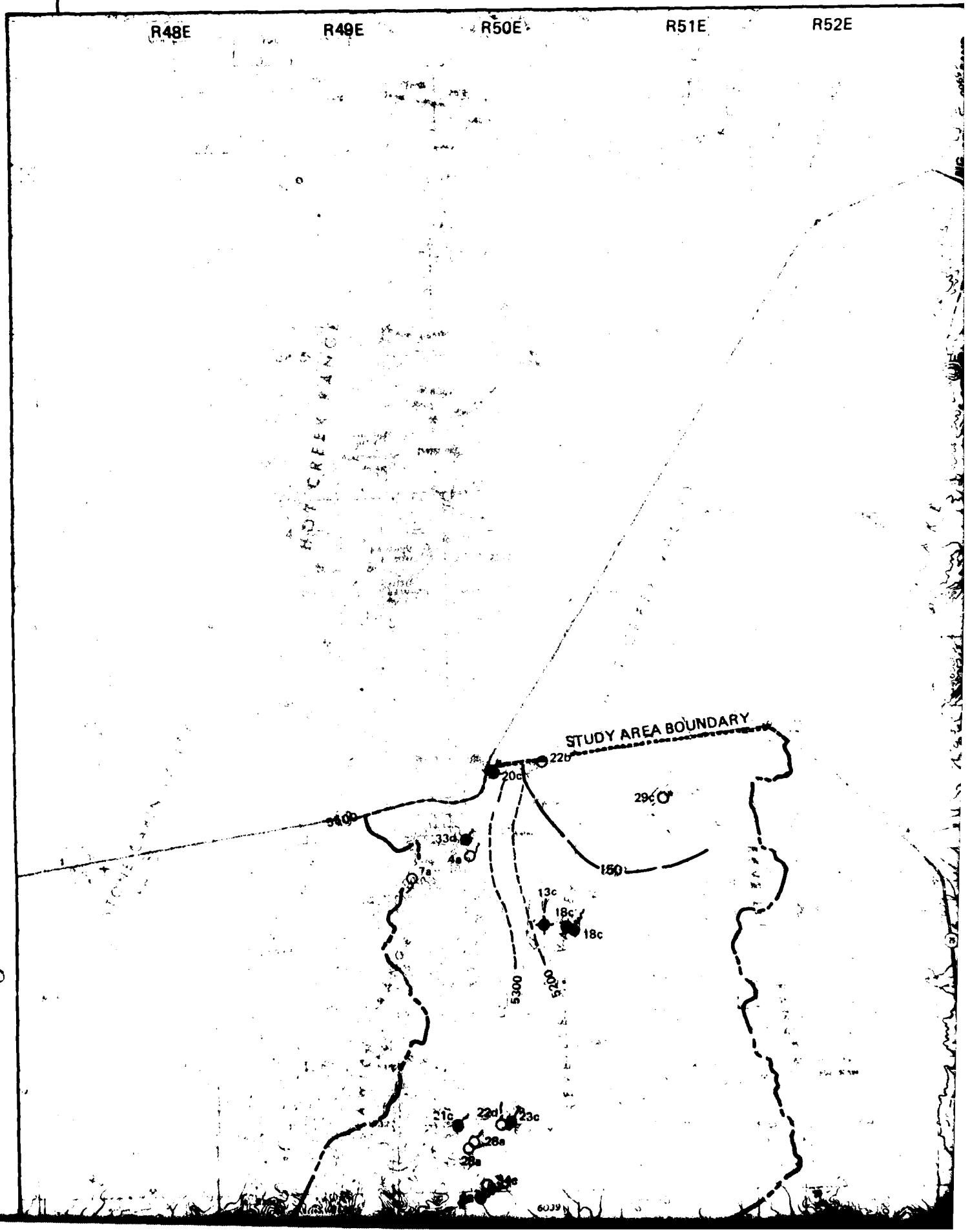
UTE MILES

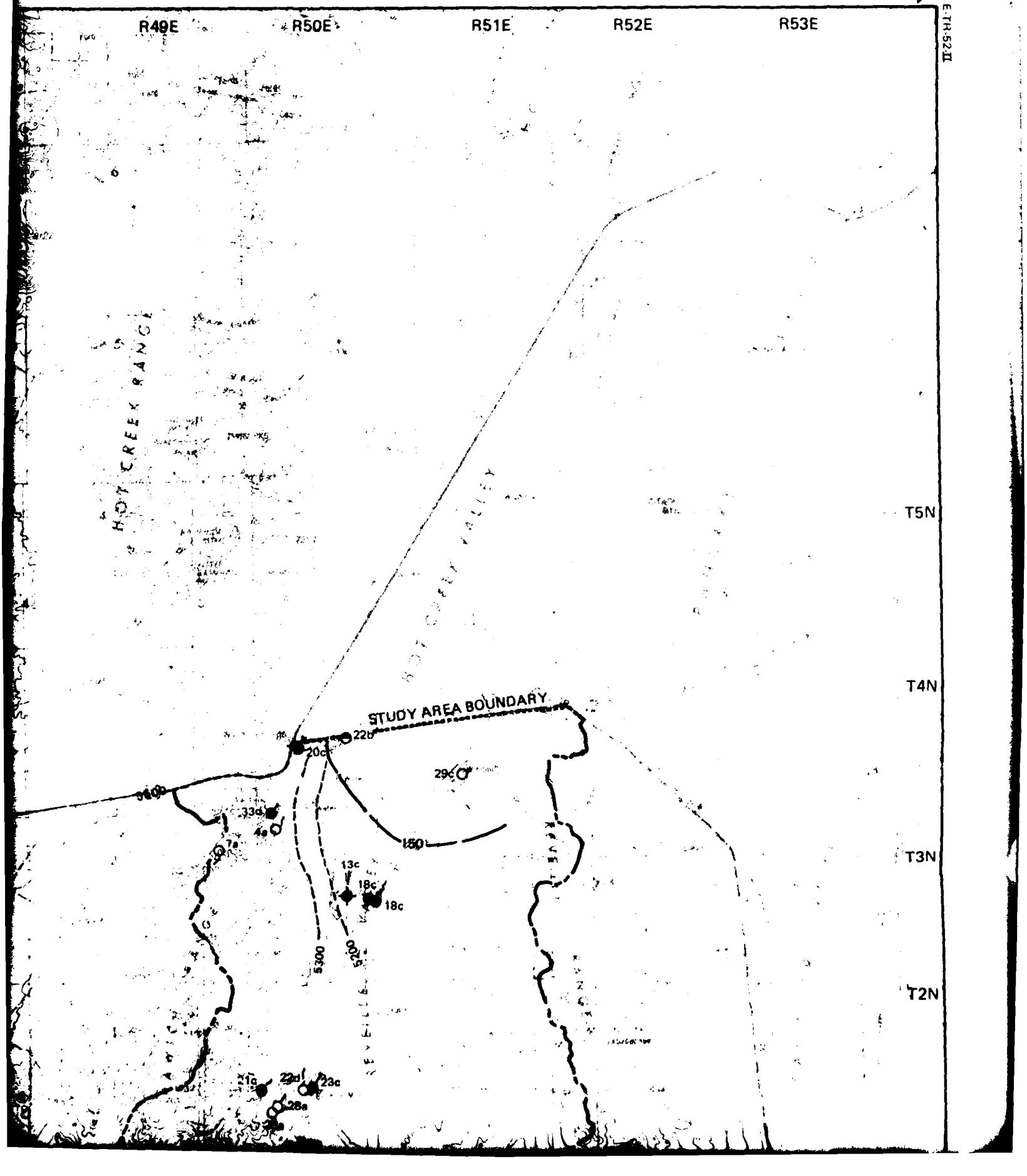
5 10

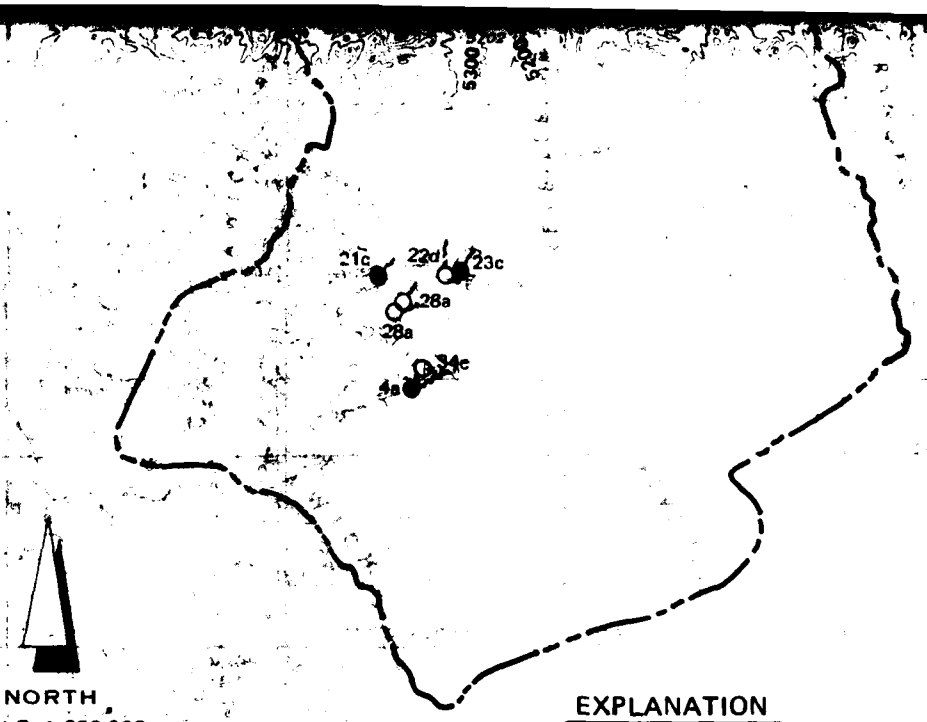
OMETERS

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.


R48E
R49E
R50E
R51E
R52E
STUDY AREA BOUNDARY
22b
20c
29c
33d
4a
7a
13c
18c
18c
5300
5200
21c
22d
23c
28a
28a
24c
6039


R49E
R50E
R51E
R52E
R53E
T5N
T4N
T3N
T2N
HOT CREEK RANGE
STUDY AREA BOUNDARY
5300
5200
5100
22b
20c
29c
33d
4a
7a
13c
18c
18c
21g
23d
23c
28a



NORTH

SCALE 1:250,000

0 5 10
STATUTE MILES

0 5 10
KILOMETERS

EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- 50 DEPTH TO POTENTIOMETRIC SURFACE
- 5400 POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ *OTHER DATA SOURCES*
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◉ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ⊖ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL *NO AQUIFER TEST PERFORMED*
- ●7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C3-
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-27

NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CON
CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPO
TIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY
WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF
OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POT
DEPTH–TO–WATER CONTOURS SHOWN.

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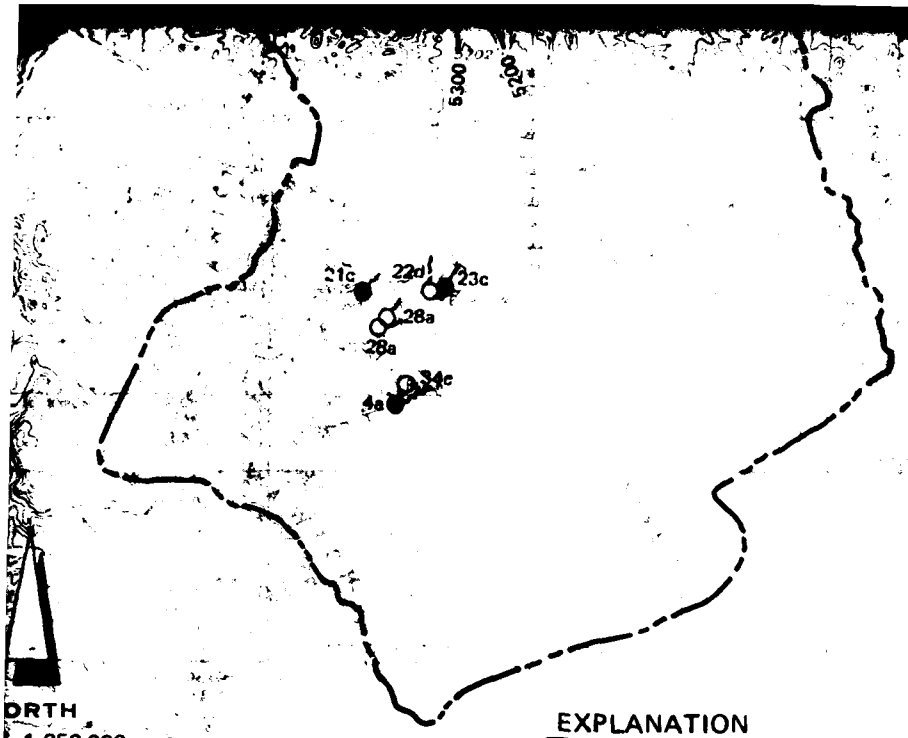
POTENTIOMETRIC LEVELS
REVEILLE VALLEY, NEVADA

30 NOV 81

FIGURE D1-20



T2N

T1N

T1S

T2S

T3S

T4S

T5S

ORTH
1:250,000 9

5 10
TE MILES
/5 10
METERS

8

EXPLANATION

DRAINAGE DIVIDE

CONTOURS

50 DEPTH TO POTENTIOMETRIC SURFACE

5400 POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

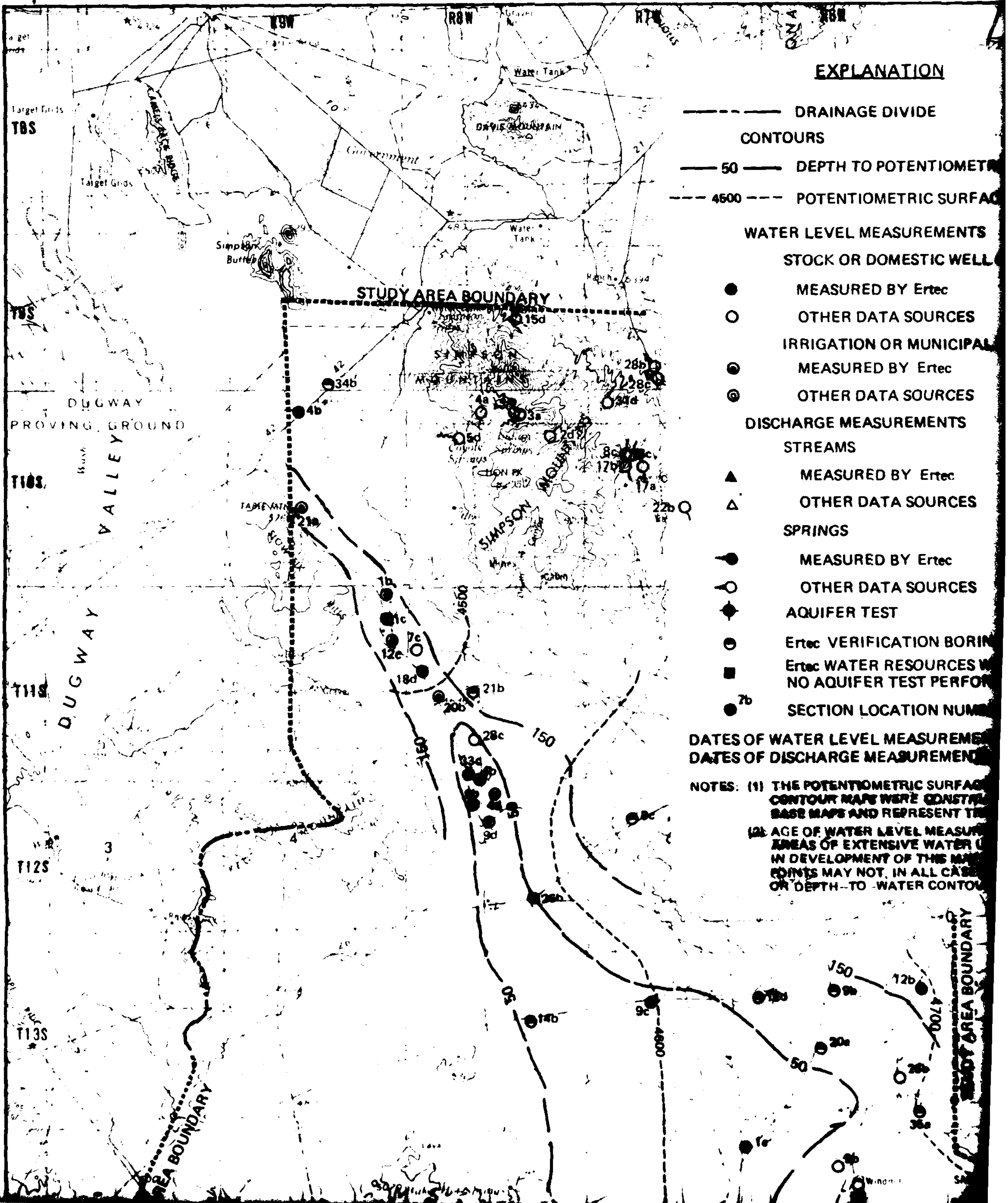
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

7b SECTION LOCATION NUMBER

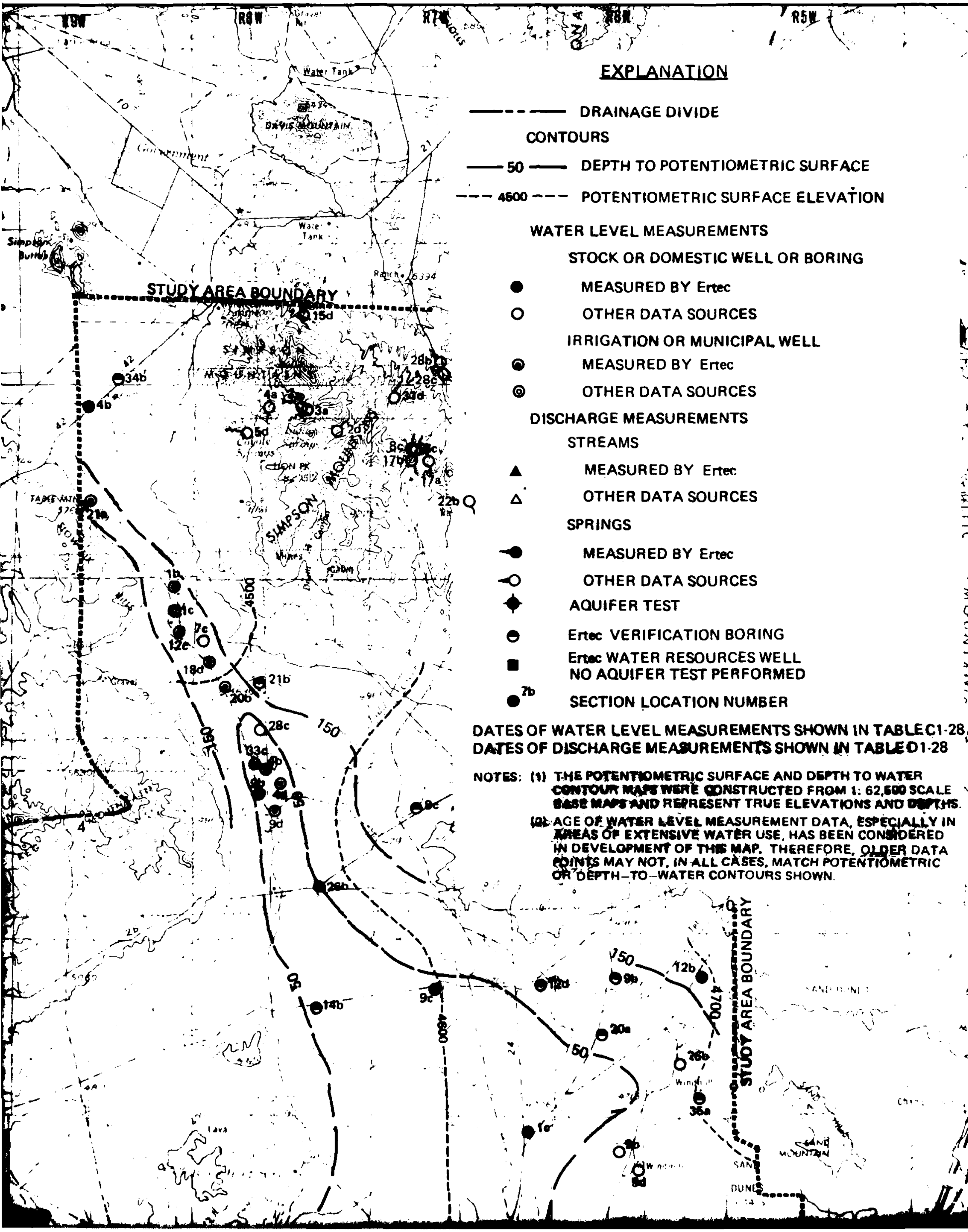
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-27
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-27

NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN.



R9W
R8W
R7W
R6W
T8S
T9S
T10S
T11S
T12S
T13S
DAVIS MOUNTAIN
Government
Water Tank
Simpson Buttes
Target Grids
STUDY AREA BOUNDARY
DUGWAY PROVING GROUND
DUGWAY VALLEY
SIMPSON MOUNTAINS
Coyote Springs
STUDY AREA BOUNDARY
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETR
4500 POTENTIOMETRIC SURFAC
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORIN
Ertec WATER RESOURCES W
NO AQUIFER TEST PERFOR
7b SECTION LOCATION NUM
DATES OF WATER LEVEL MEASUREME
DATES OF DISCHARGE MEASUREMEN
NOTES: (1) THE POTENTIOMETRIC SURFAC
CONTOUR MAPS WERE CONSTR
BASE MAPS AND REPRESENT T
(2) AGE OF WATER LEVEL MEASU
AREAS OF EXTENSIVE WATER
IN DEVELOPMENT OF THIS MA
POINTS MAY NOT, IN ALL CAS
OR DEPTH--TO -WATER CONTO
4500
4600
4700
150
50
15d
28b
28c
34b
4b
33d
4a
3a
5d
2d
8c
17b
17a
22b
21a
1b
1c
7c
12c
18d
21b
20b
28c
33d
9d
26b
14b
9c
12b
20a
36a


R9W
R8W
R7W
R6W
R5W
Water Tank
DAVIS MOUNTAIN
Government
Water Tank
Simpson Butte
Ranch
STUDY AREA BOUNDARY
15d
28b
28c
34b
4b
4a
3a
2d
5d
30d
17b
17a
22b
21a
SIMPSON
4500
1b
1c
7c
12e
18d
21b
20b
28c
150
150
33d
9d
8c
26b
150
12b
4700
12d
9b
9c
14b
50
4600
50
20a
26b
35a
1c
9d
Lava
SAND MOUNTAIN
SAND DUNES
STUDY AREA BOUNDARY
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
4500 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-28
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-28
NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.
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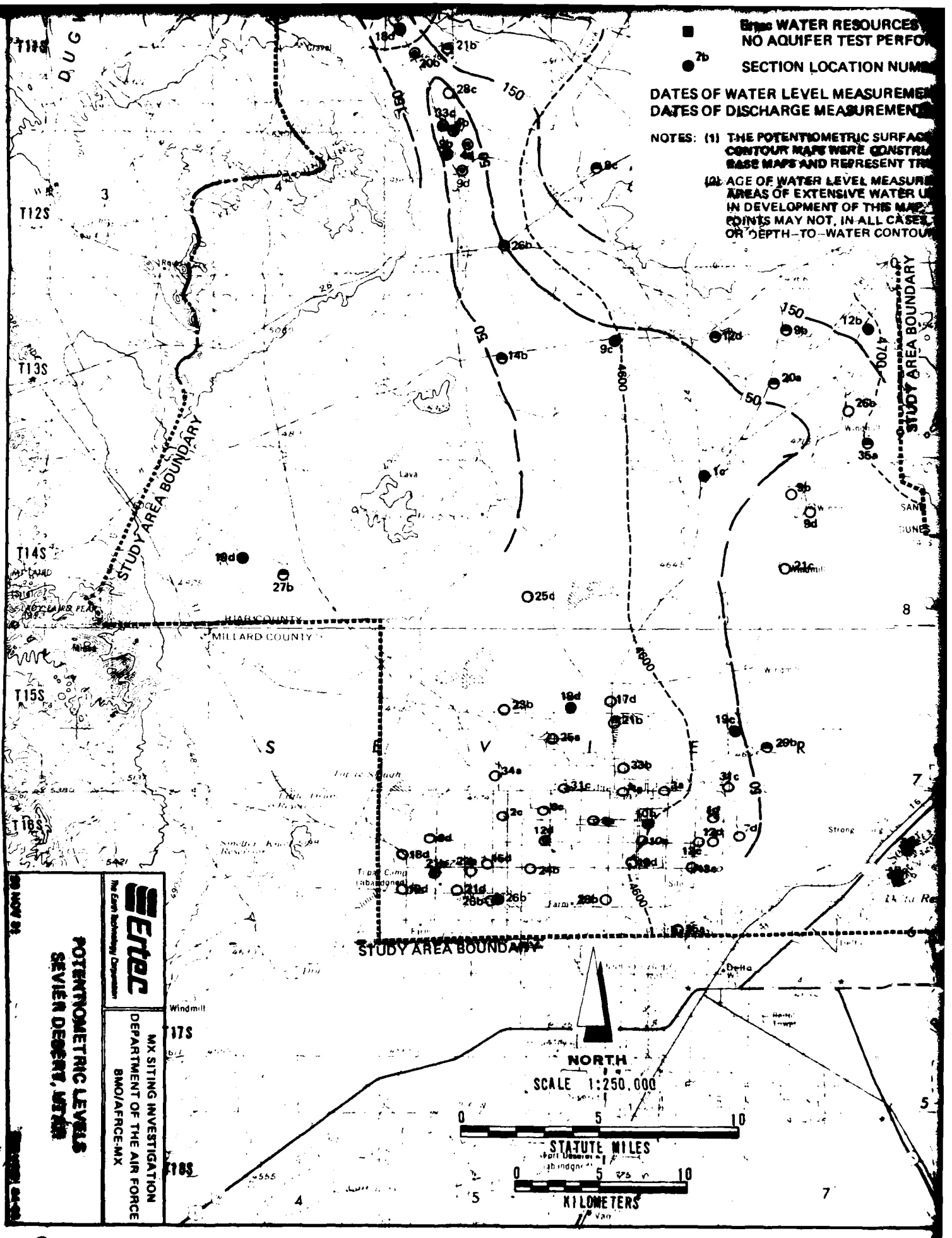
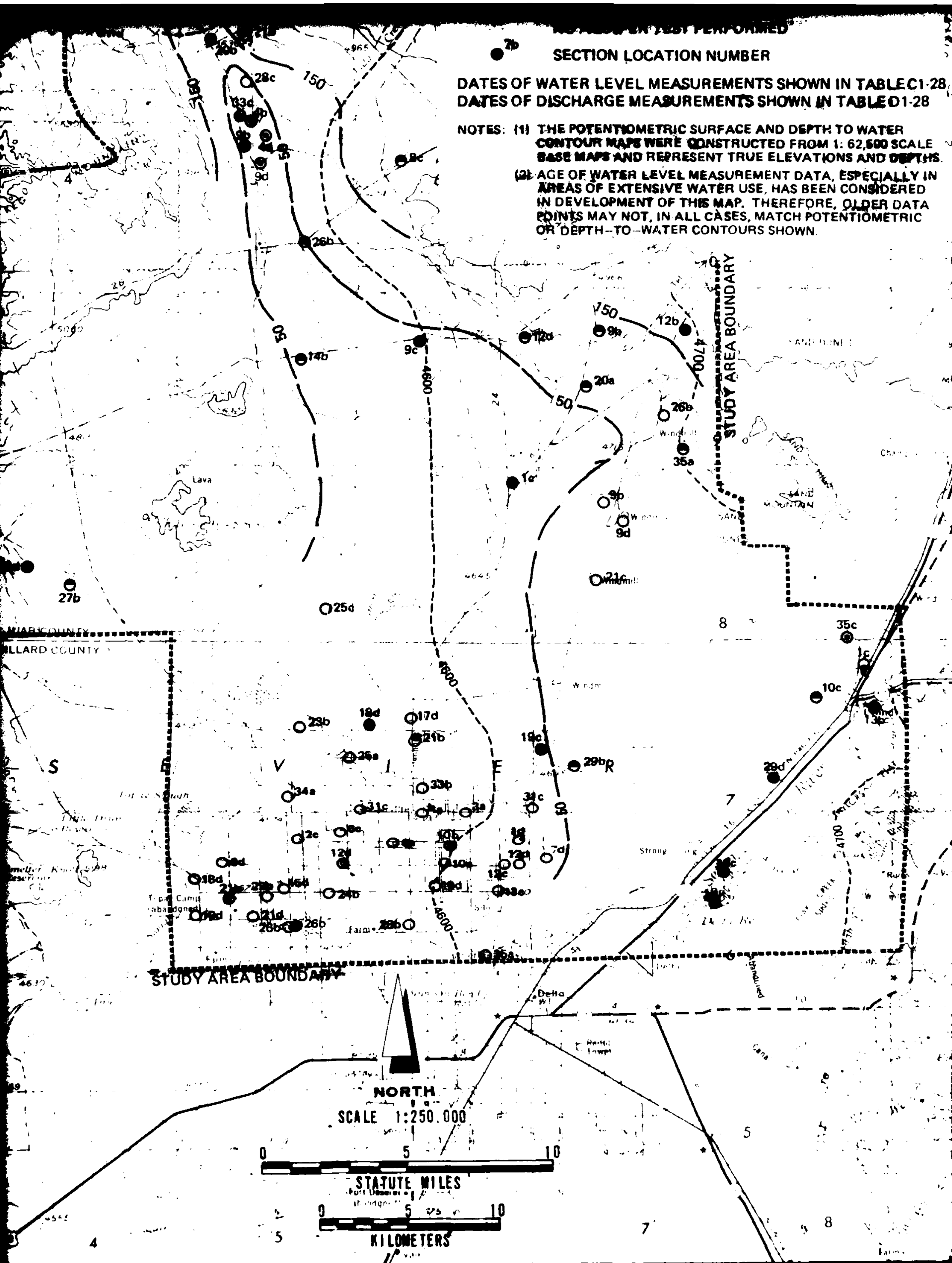

WATER RESOURCES
NO AQUIFER TEST PERFO
SECTION LOCATION NUM
DATES OF WATER LEVEL MEASUREME
DATES OF DISCHARGE MEASUREMEN
NOTES: (1) THE POTENTIOMETRIC SURFAC
CONTOUR MAPS WERE CONSTRU
BASE MAPS AND REPRESENT TR
(2) AGE OF WATER LEVEL MEASURE
AREAS OF EXTENSIVE WATER U
IN DEVELOPMENT OF THIS MAP
POINTS MAY NOT, IN ALL CASES,
OR DEPTH-TO-WATER CONTOU
STUDY AREA BOUNDARY
MILLARD COUNTY
T11S
T12S
T13S
T14S
T15S
T16S
T17S
T18S
NORTH
SCALE 1:250,000
STATUTE MILES
KILOMETERS
POTENTIOMETRIC LEVELS
SEVIER DESERT, UTAH
Enter
The Earth Technology Corporation
MX SITING INVESTIGATION
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX


SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-28
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-28
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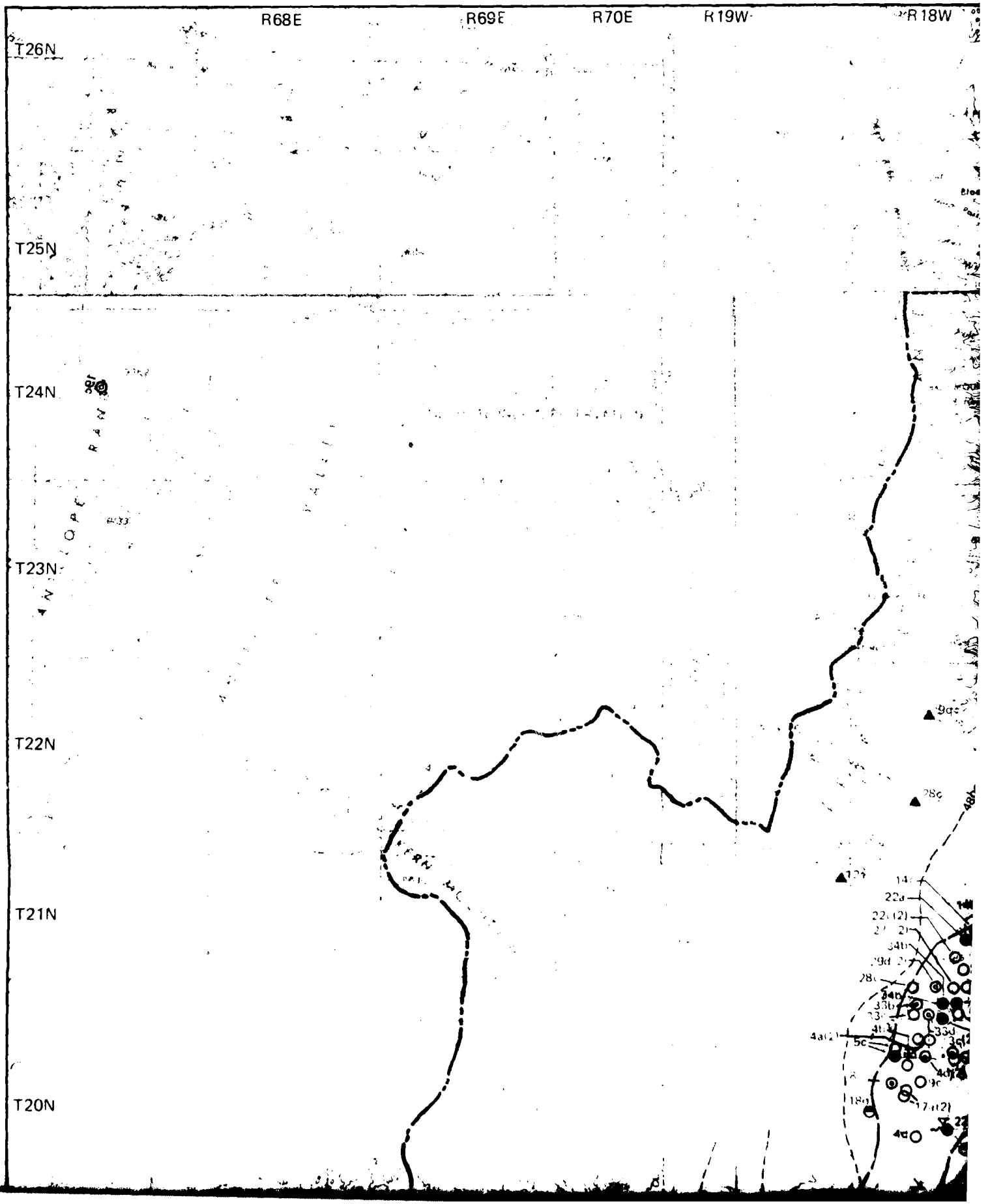
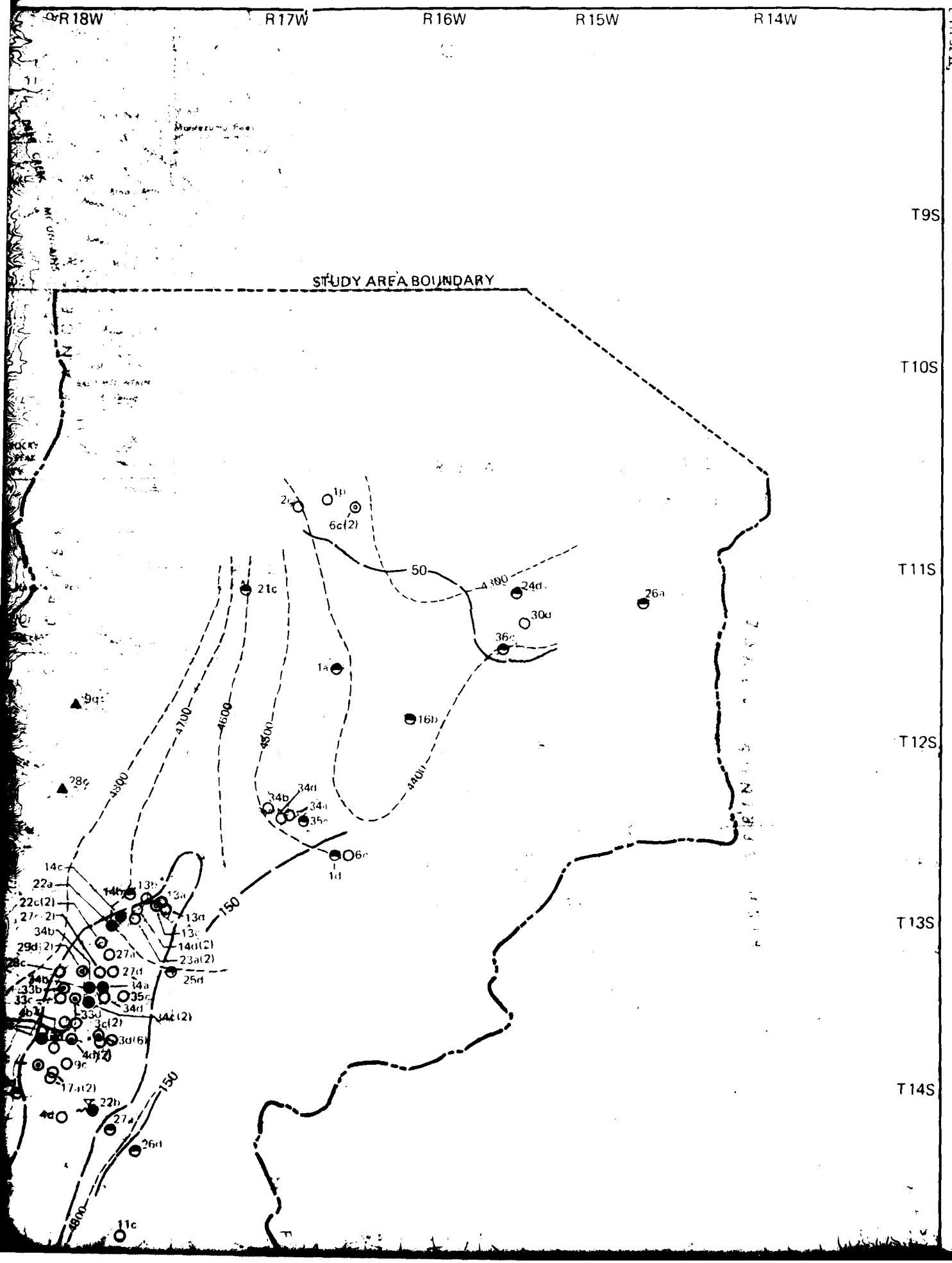
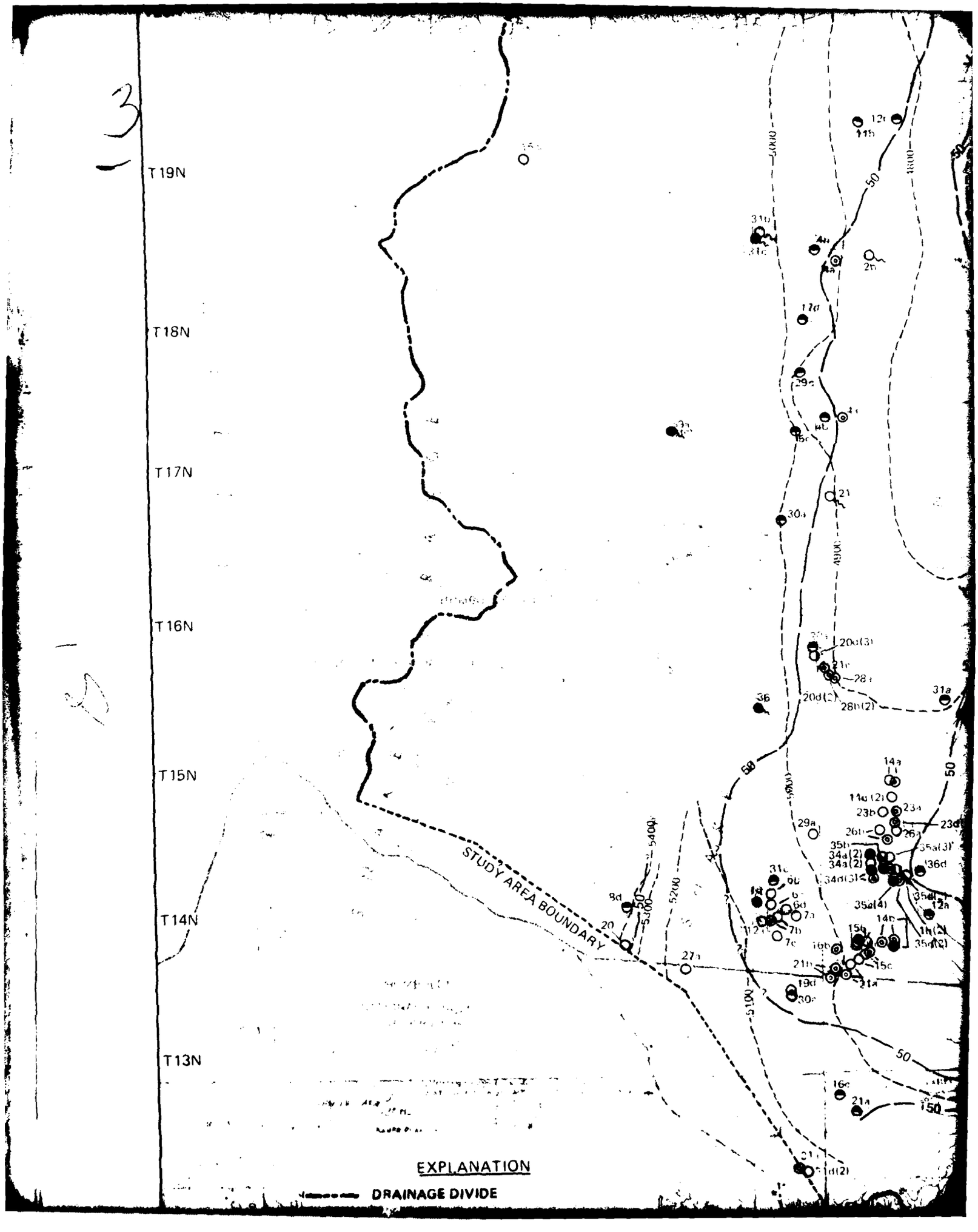
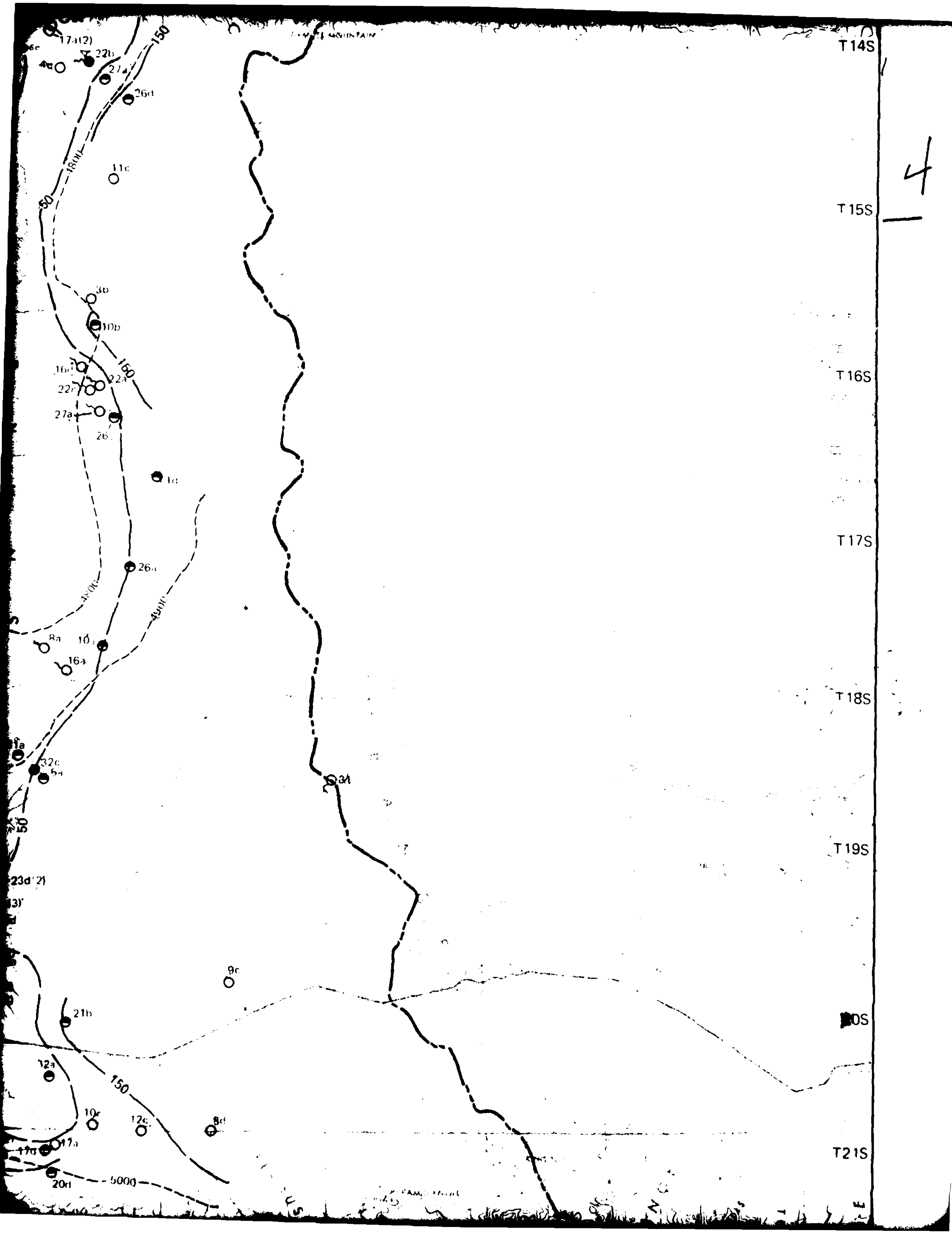
STUDY AREA BOUNDARY
MILLARD COUNTY
STUDY AREA BOUNDARY
NORTH
SCALE 1:250,000
0 5 10
STATUTE MILES
0 5 10
KILOMETERS

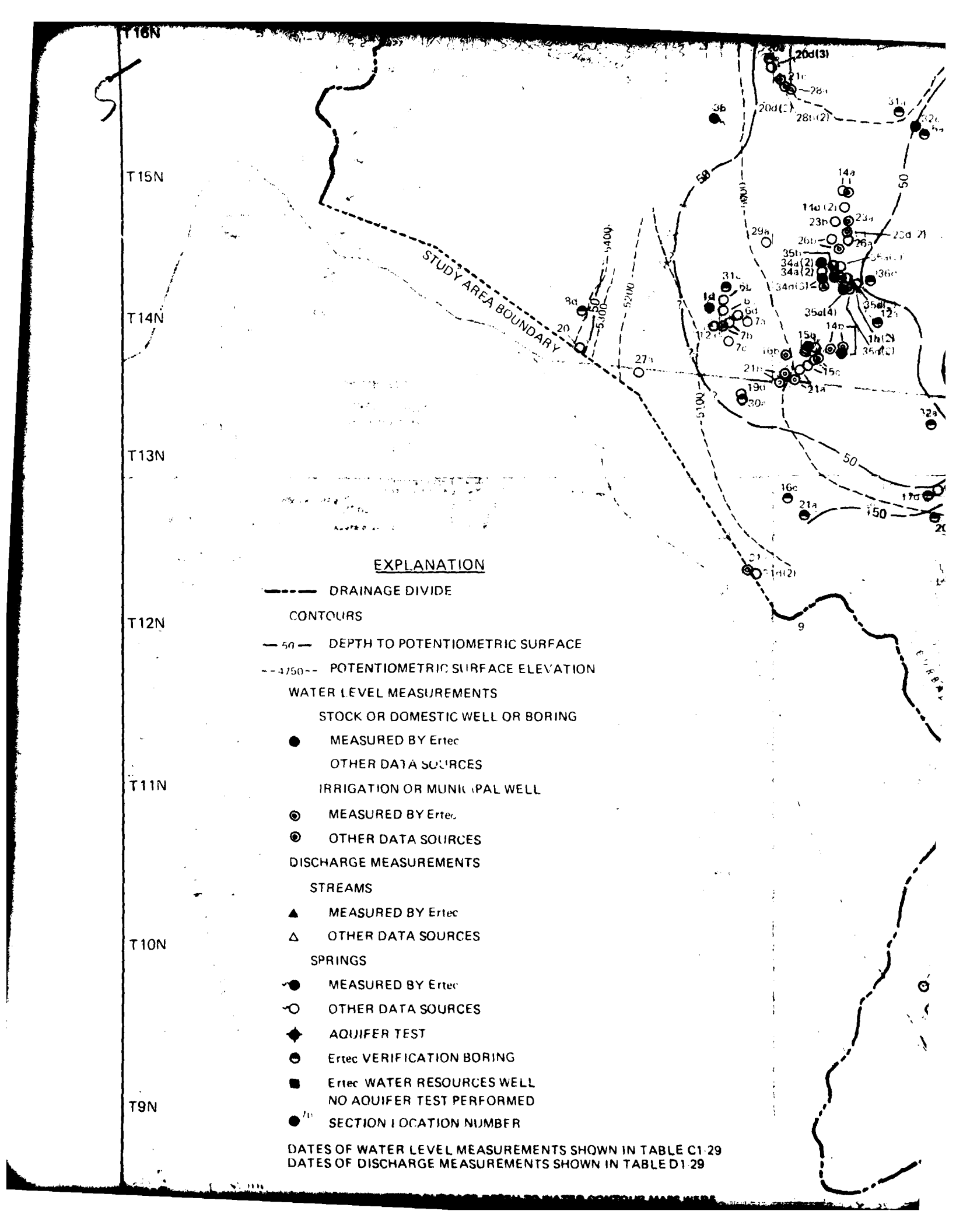
4

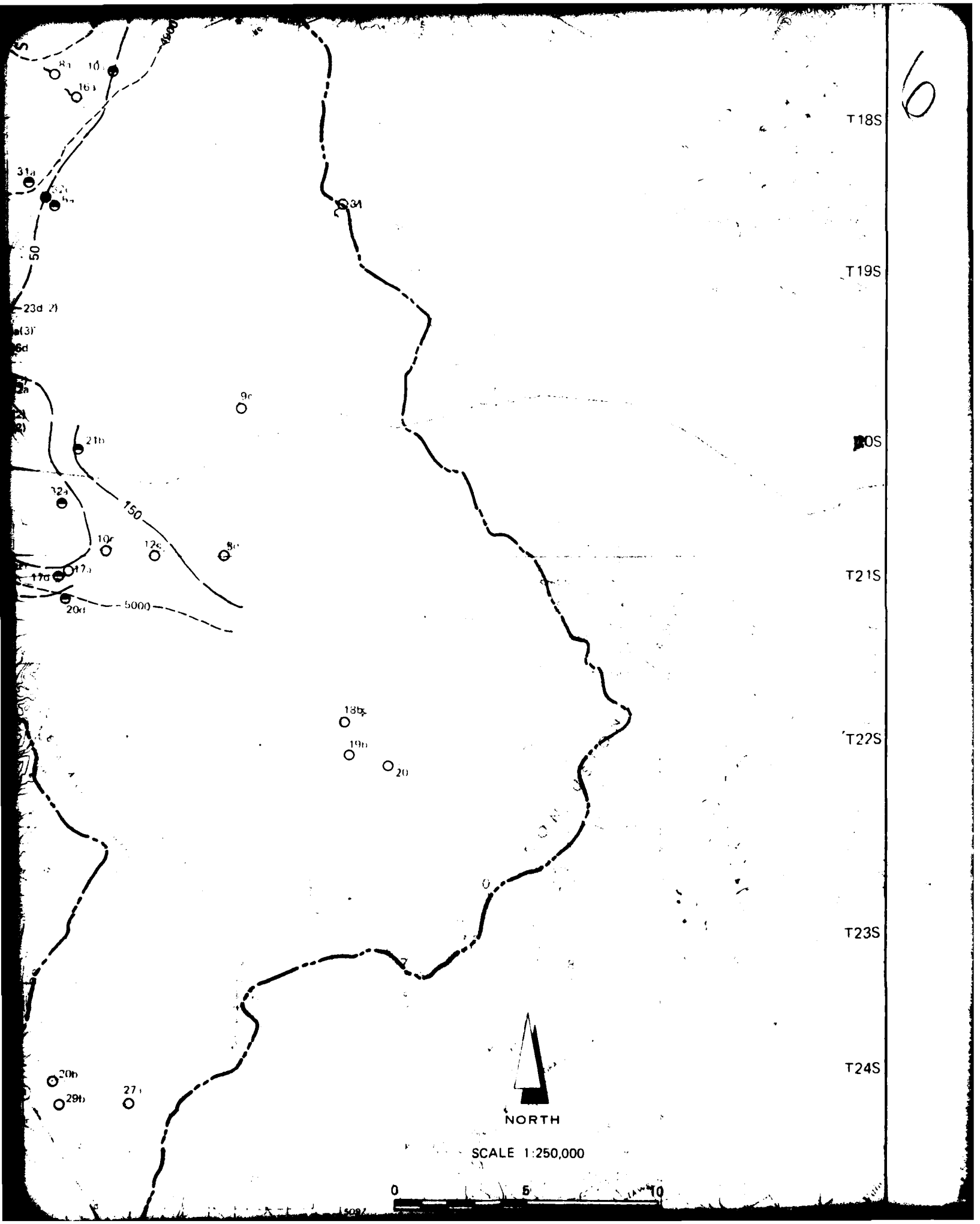

R68E
R69E
R70E
R19W
R18W
T26N
T25N
T24N
T23N
T22N
T21N
T20N


R18W
R17W
R16W
R15W
R14W
T9S
T10S
T11S
T12S
T13S
T14S
STUDY AREA BOUNDARY
50
150
4300
4400
4500
4600
4700
4800


T19N
T18N
T17N
T16N
T15N
T14N
T13N
STUDY AREA BOUNDARY
EXPLANATION
DRAINAGE DIVIDE


T14S
T15S
T16S
T17S
T18S
T19S
T21S
150
50
4800
4900
5000
17a(2)
22b
4d
27a
26d
11c
3b
10b
16d
22a
27a
1d
26a
8a
10a
16a
32c
23d(2)
9c
21b
12a
10c
12c
8d
17a
20d


T16N
T15N
T14N
T13N
T12N
T11N
T10N
T9N
STUDY AREA BOUNDARY
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
— 50 — DEPTH TO POTENTIOMETRIC SURFACE
- - 4750 - - POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-29
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-29


T18S
T19S
T21S
T22S
T23S
T24S
50
150
5000
NORTH
SCALE 1:250,000
0
5
10

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

◉ MEASURED BY Ertec

◉ OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

◆ AQUIFER TEST

Ertec VERIFICATION BORING

■ Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

● 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-29
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-29

NOTES: (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1:62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN

T11N

T10N

T9N

T8N

T7N

T6N

T5N

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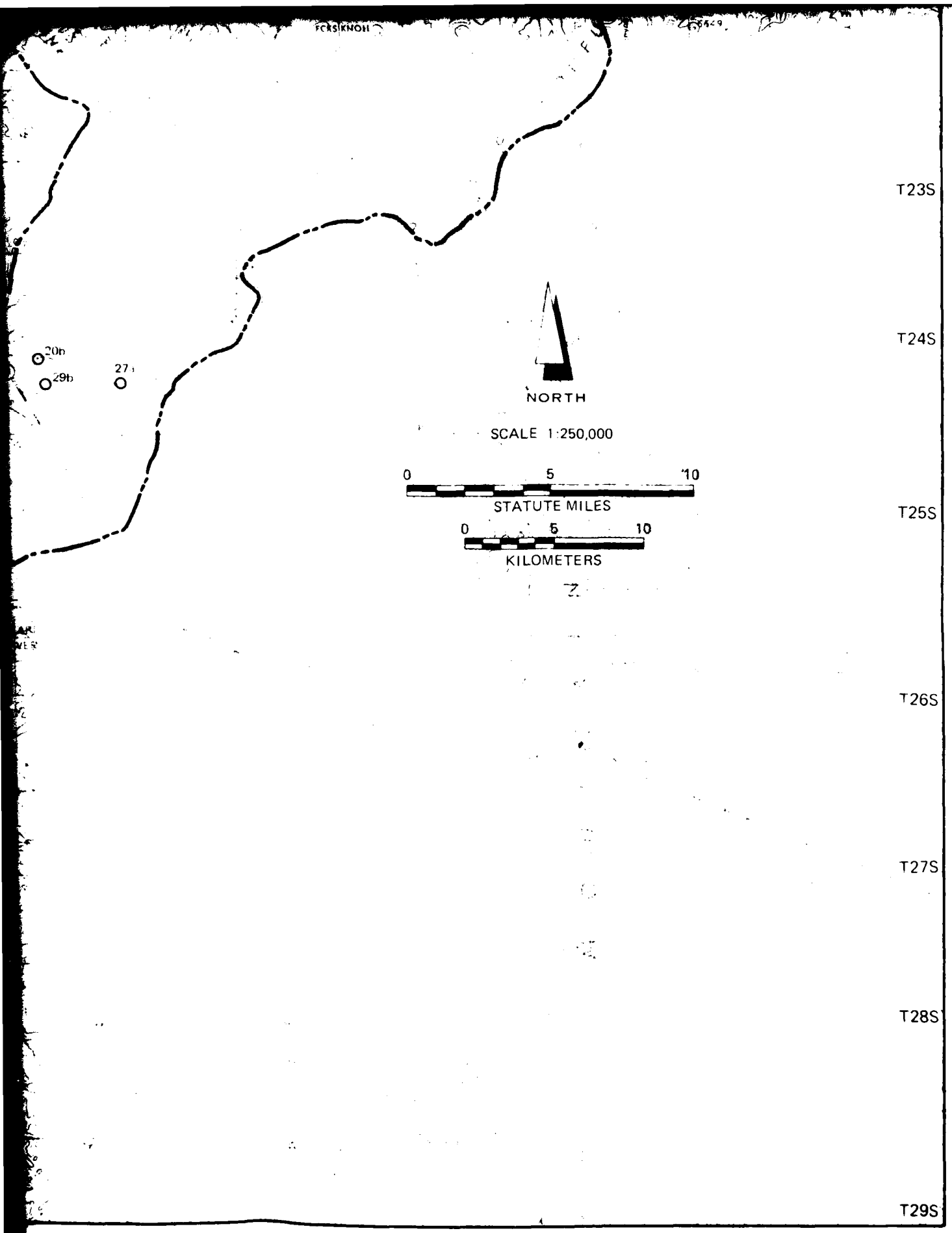
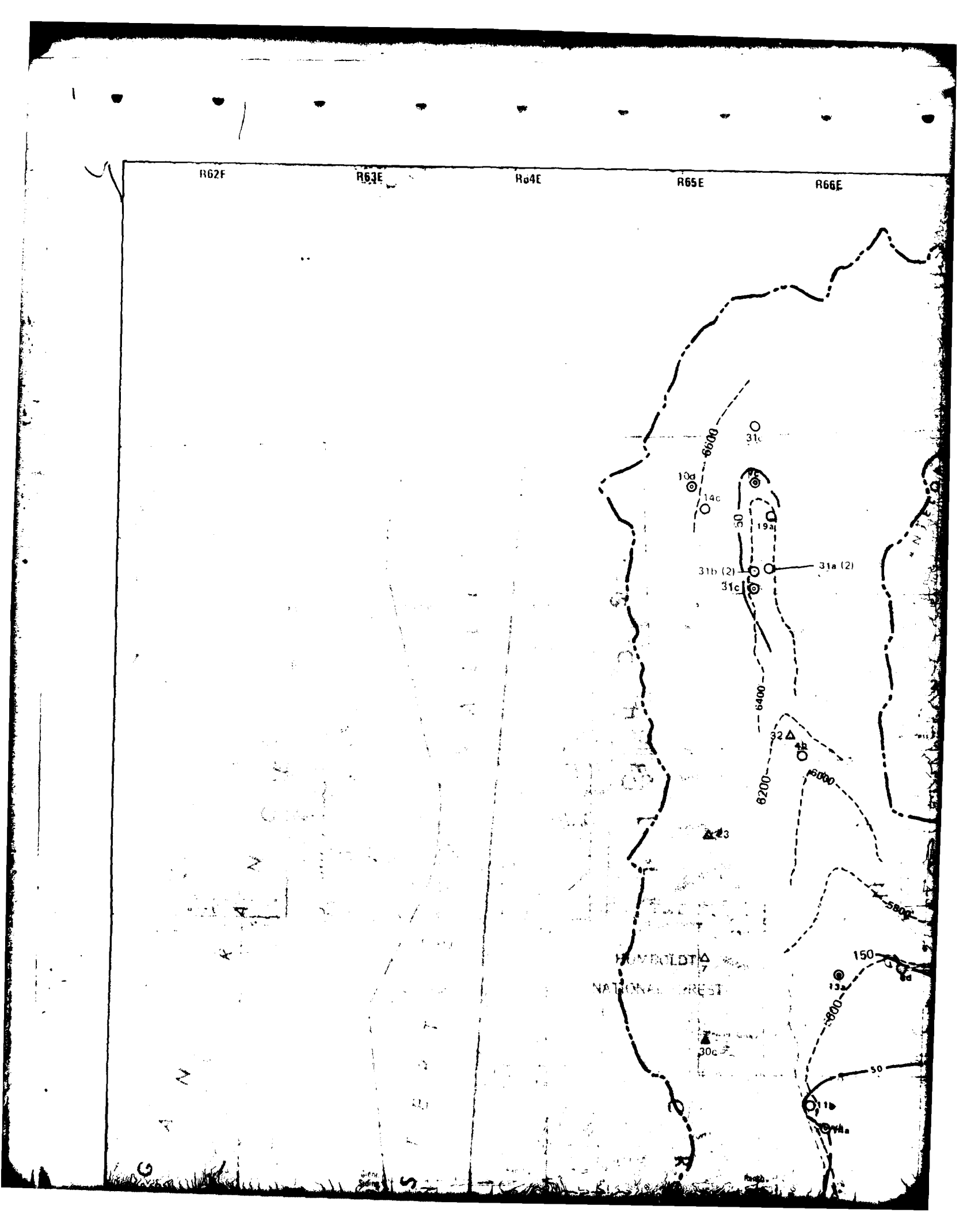
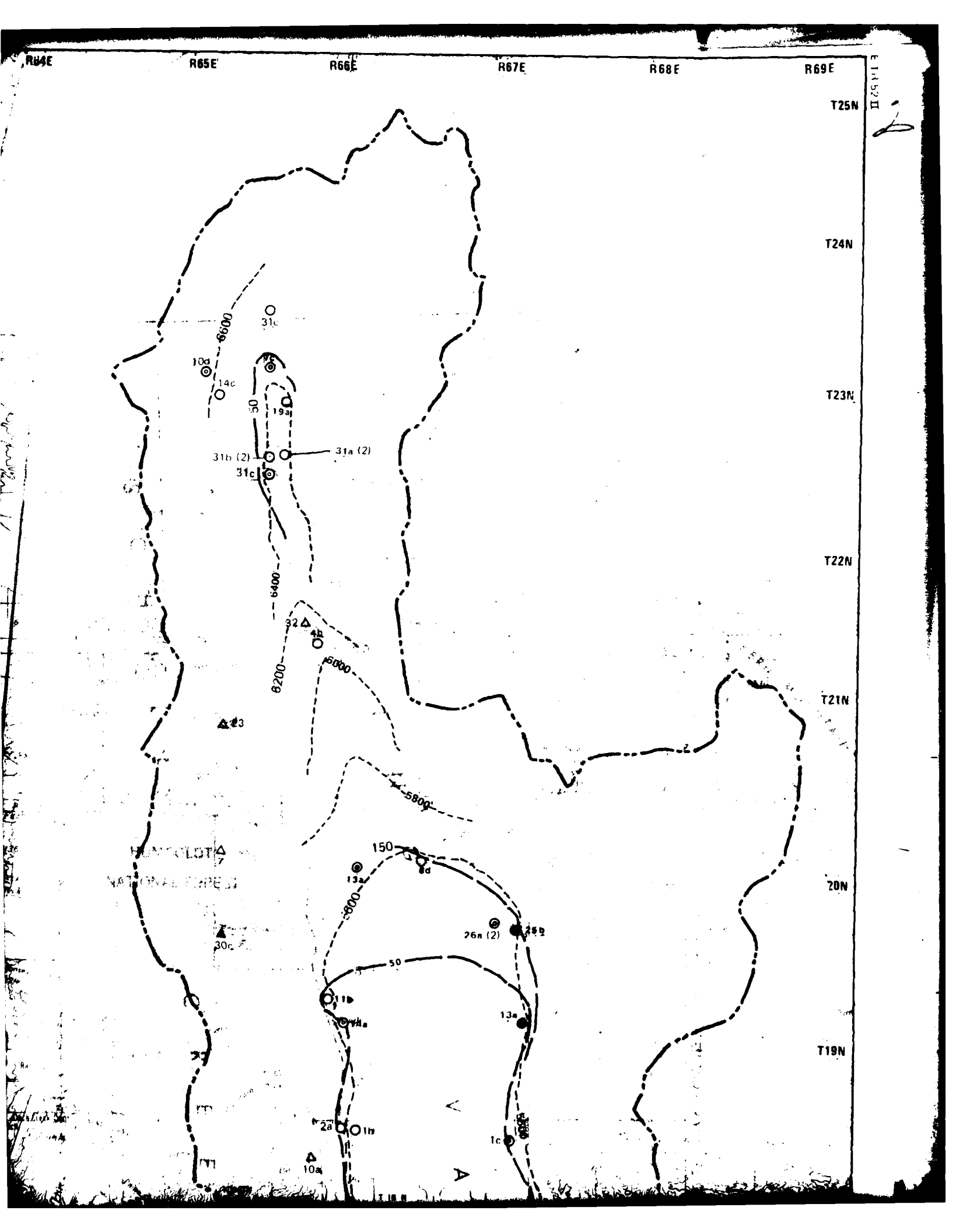
POTENTIOMETRIC LEVELS
SNAKE VALLEY, NEVADA

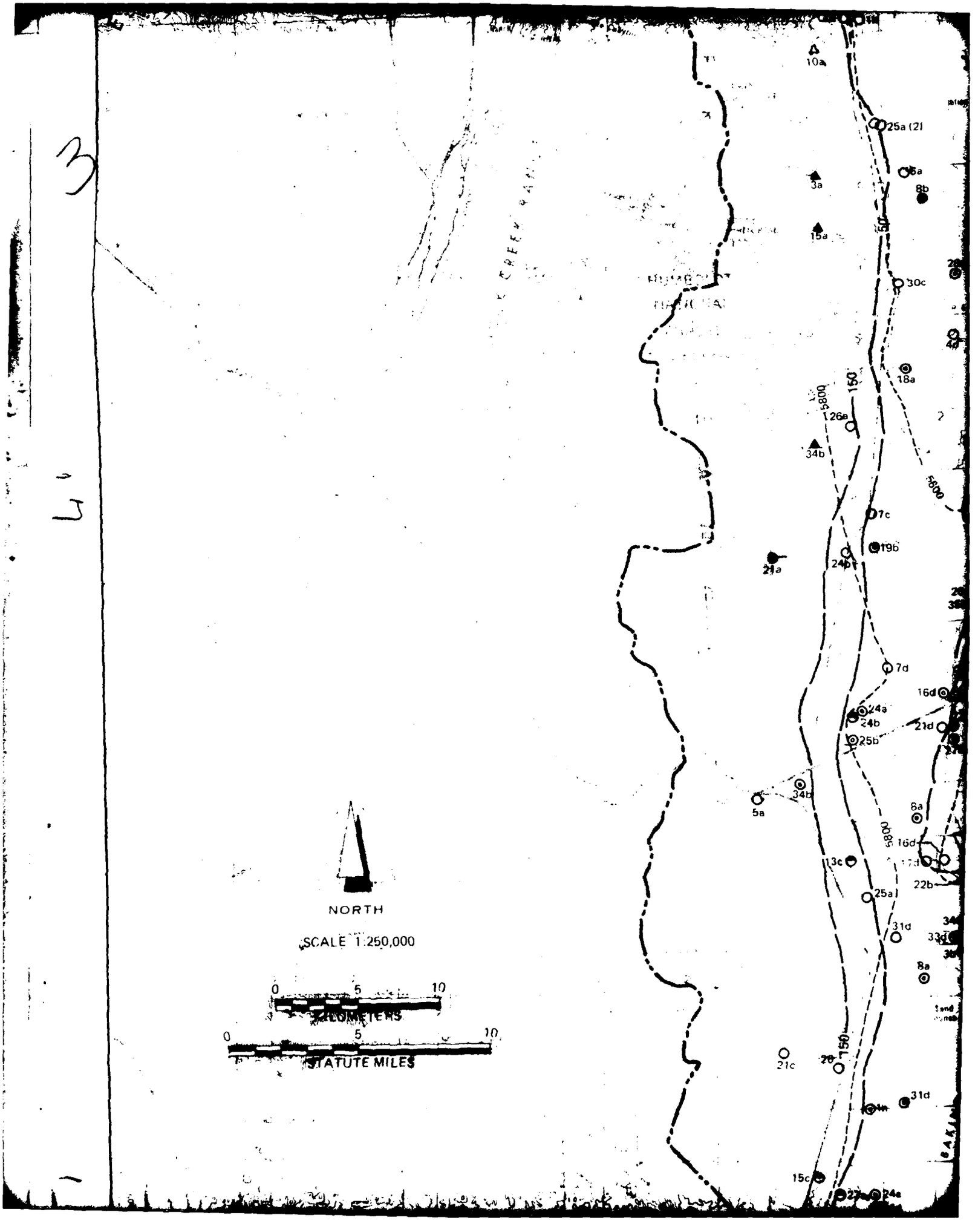
30 NOV 81

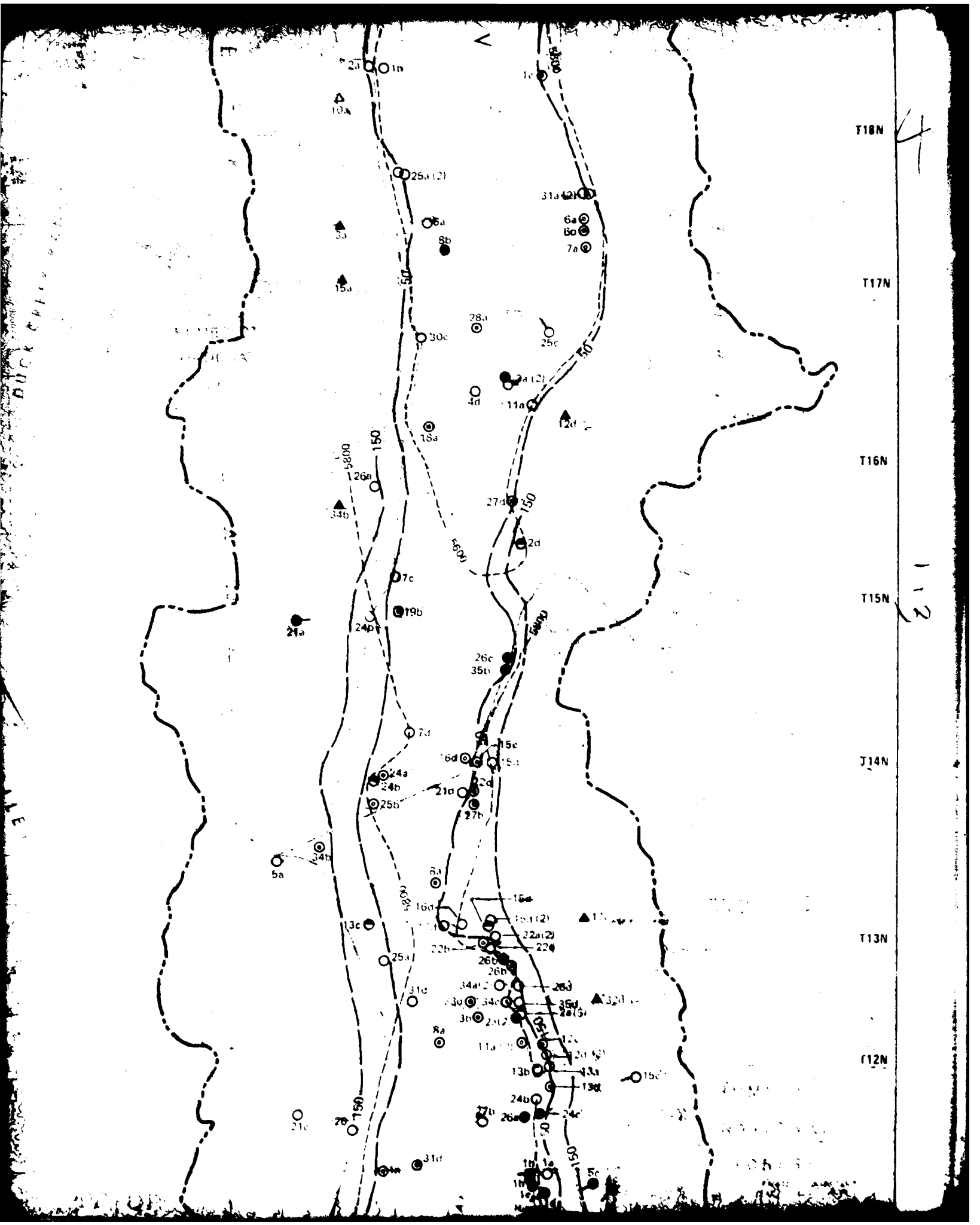
FIGURE B1-29

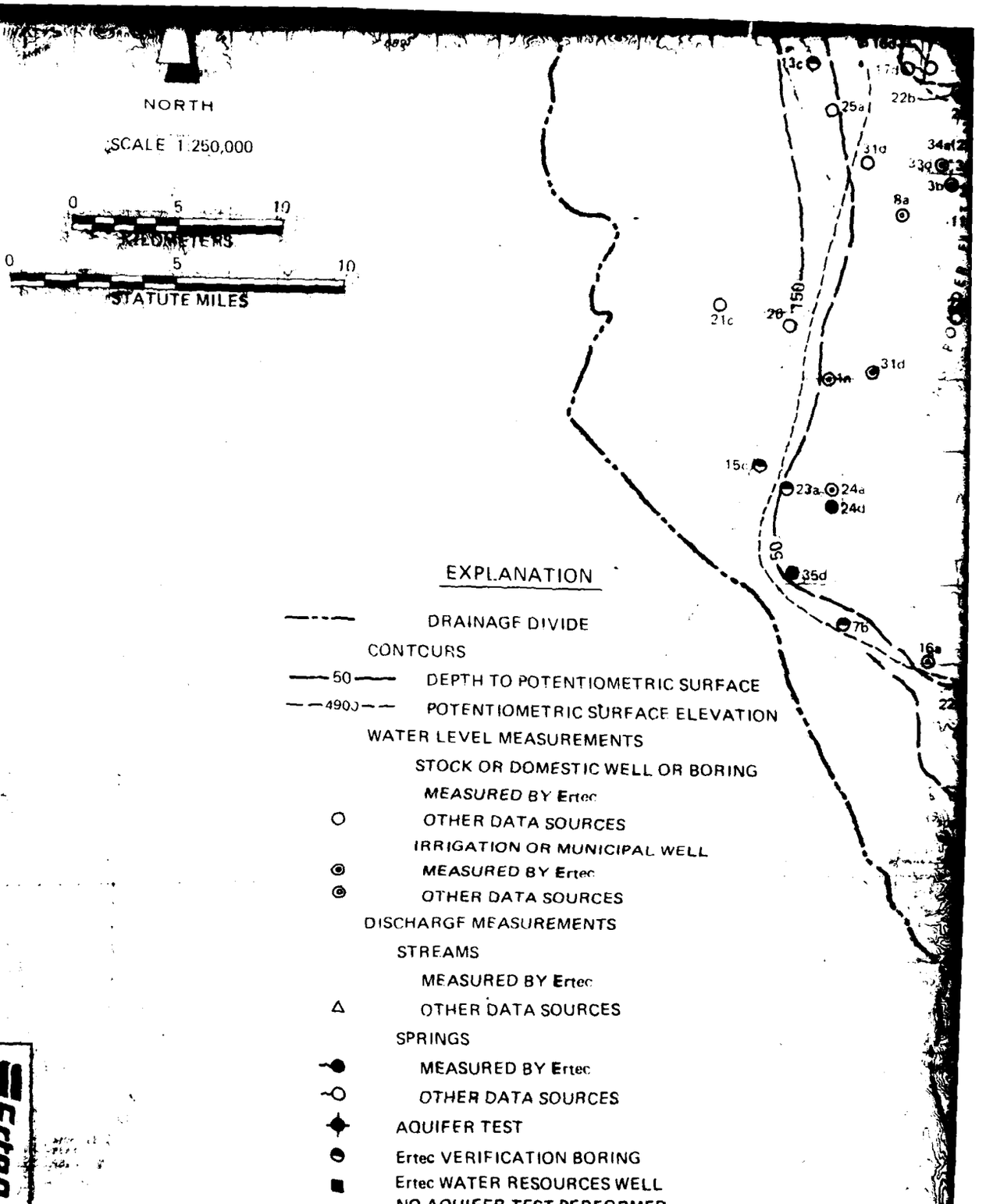

FORT KNOX
20b
29b
27
NORTH
SCALE 1:250,000
0
5
10
STATUTE MILES
0
5
10
KILOMETERS
T23S
T24S
T25S
T26S
T27S
T28S
T29S


R62E
R63E
R64E
R65E
R66E
6600
6400
6200
6000
5800
31c
10d
14c
19a
31b (2)
31a (2)
31c
32
23
HUMBOLDT
NATIONAL FOREST
30c
150
13a
50
11b
11a


R64E
R65E
R66E
R67E
R68E
R69E
T25N
T24N
T23N
T22N
T21N
T20N
T19N
6600
6400
6200
6000
5800
50
150
31c
10d
14c
19a
31b (2)
31a (2)
31c
32
4b
23
13a
8d
26a (2)
25b
30c
11b
11a
13a
2a
1b
1c
10a


NORTH
SCALE 1:250,000
0 5 10
KILOMETERS
0 5 10
STATUTE MILES


T18N
T17N
T16N
T15N
T14N
T13N
T12N
5800
5900
6000
150
50



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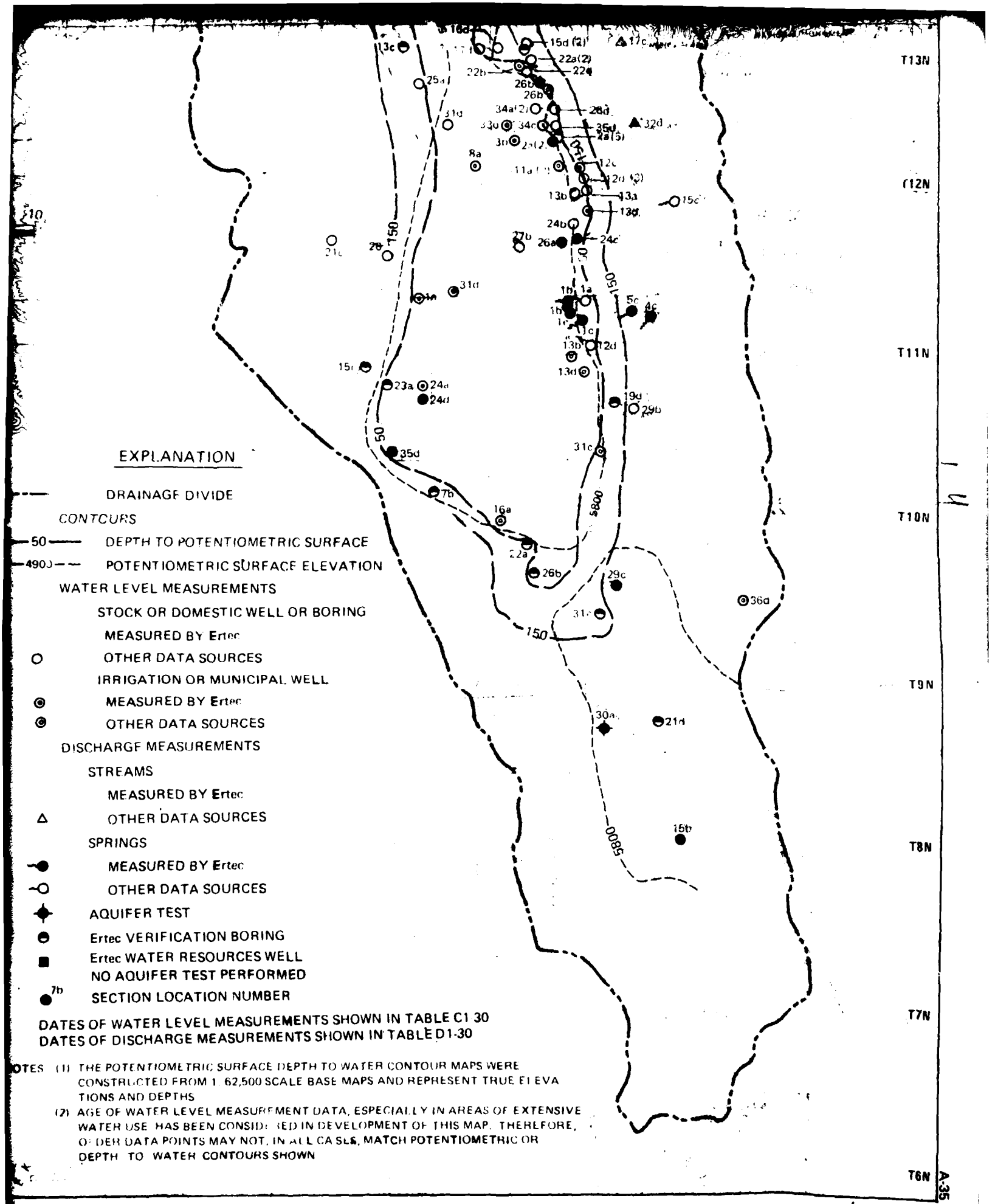
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE MX

POTENTIOMETRIC LEVELS
SPRING VALLEY, NEVADA

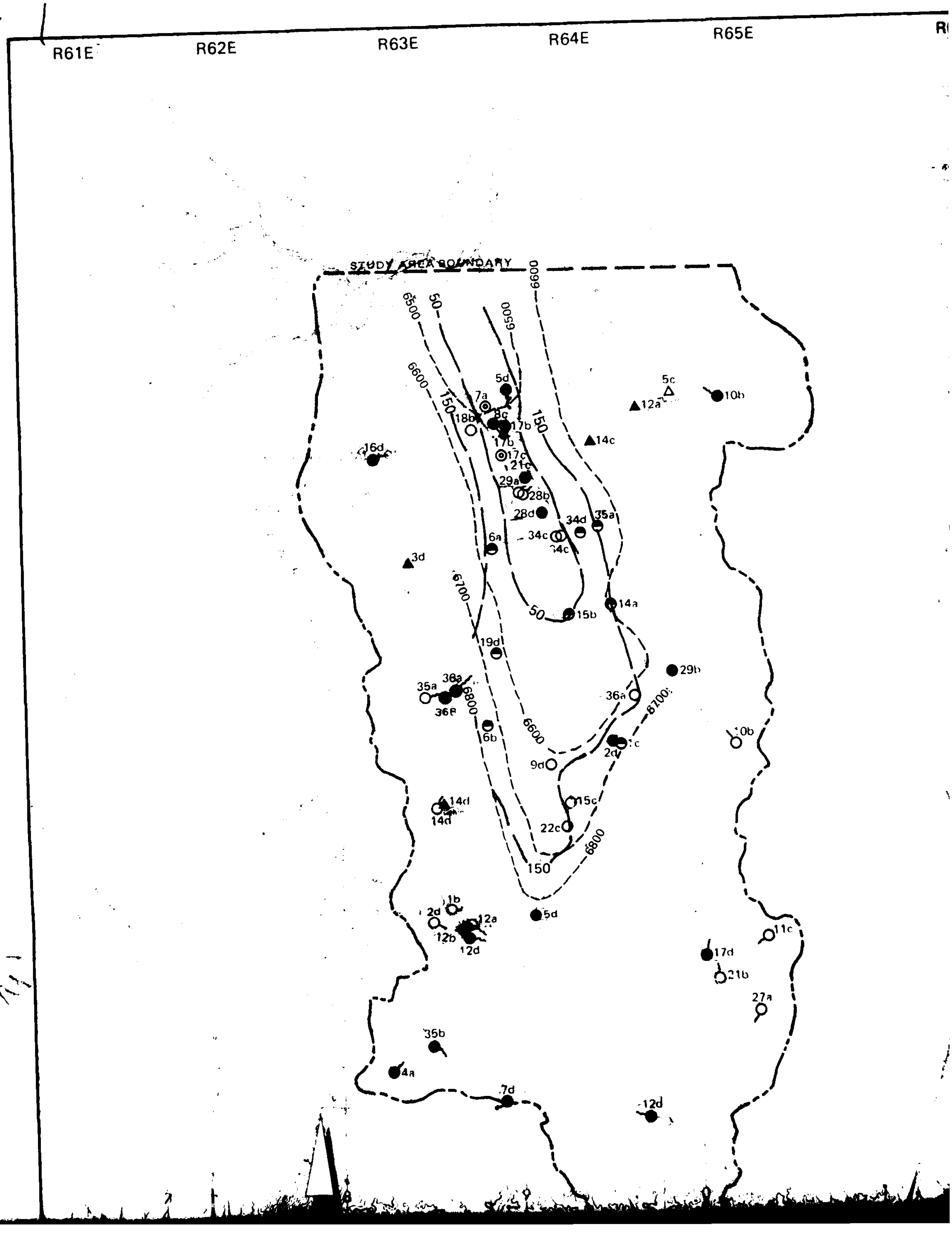
30 NOV 81

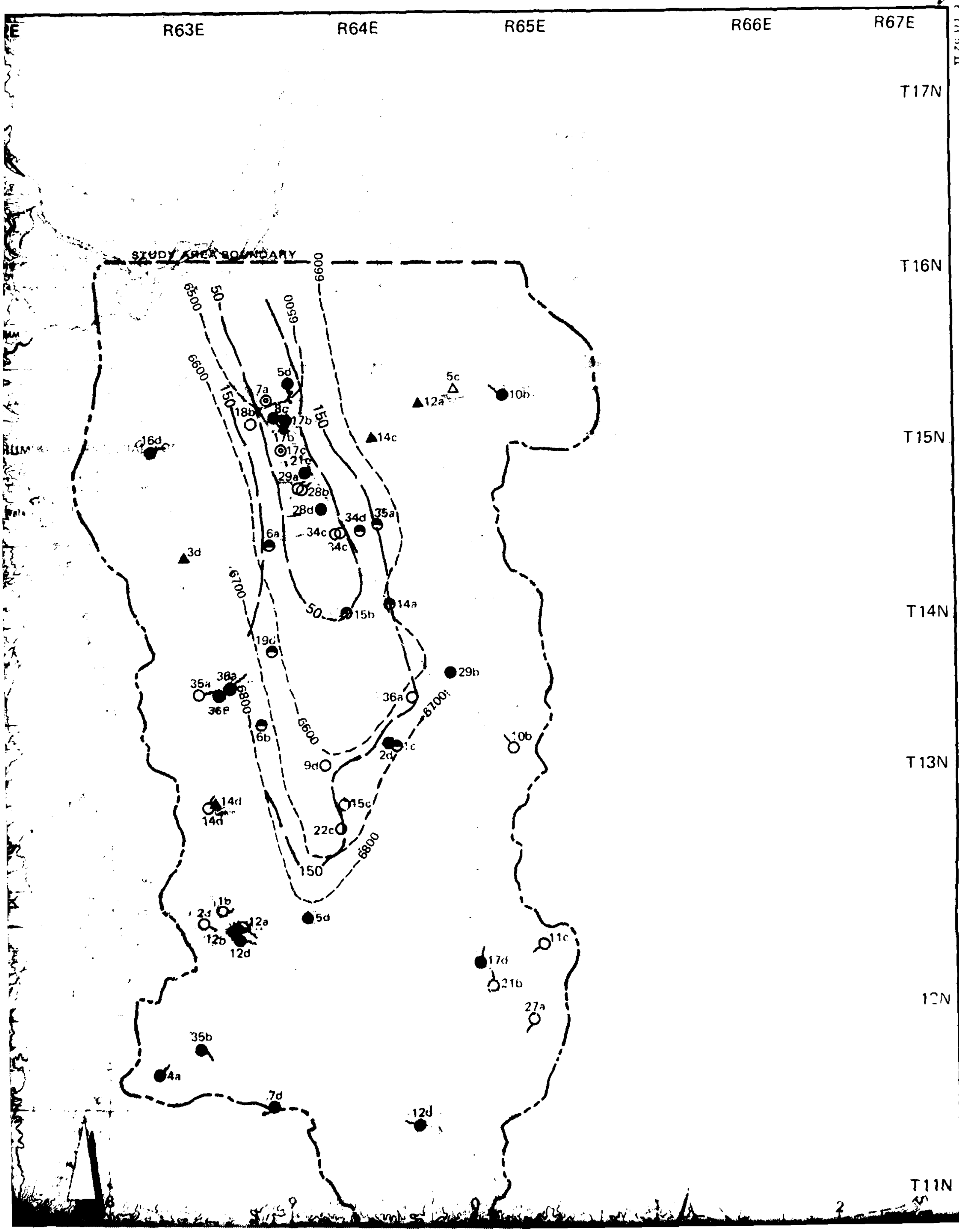
FIGURE B1-30



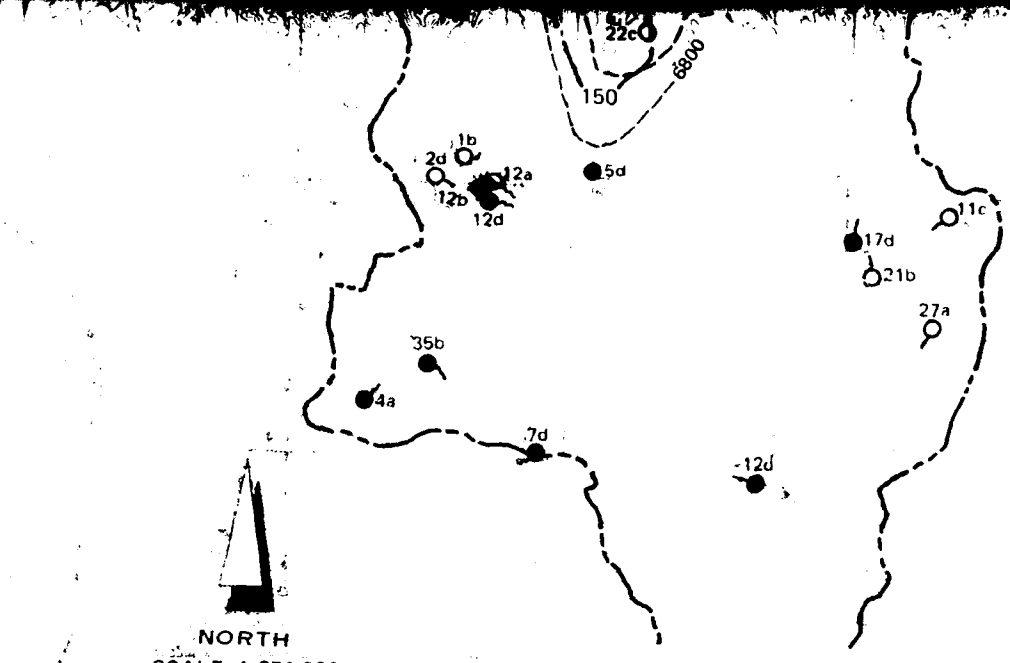
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN


R61E
R62E
R63E
R64E
R65E
STUDY AREA BOUNDARY
6500
6600
6700
6800
50
150
5d
7a
8c
18b
17b
17c
21c
29a
28b
28d
34d
35a
34c
6a
3d
16d
5c
12a
10b
14c
14a
15b
19d
29b
35a
36a
36a
6b
36a
2d
9d
10b
14d
15c
22c
5d
2d
12a
12b
12d
11c
17d
21b
27a
35b
4a
7d
12d



R63E
R64E
R65E
R66E
R67E
T17N
T16N
T15N
T14N
T13N
T11N
STUDY AREA BOUNDARY
6500
6600
6700
6800
6900
50
150
5d
7a
8c
17b
18b
17c
21c
29a
28b
28d
34d
35a
34c
6a
3d
16d
12a
5c
10b
14c
15b
14a
19d
29b
35a
36a
36E
6b
36a
2d
9d
10b
15c
14d
22c
1b
12a
12b
12d
5d
11c
17d
21b
27a
35b
4a
7d
12d



NORTH

SCALE 1:250,000

0 5 10

STATUTE MILES

0 5 10

KILOMETERS

EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- —50— DEPTH TO POTENTIOMETRIC SURFACE
- —5400— POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◎ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ⊖ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- ●7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-3
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-31

NOTES: (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR
CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRE
TIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA ESPECIALLY IN
WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF TH
OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTEN
DEPTH TO WATER CONTOURS SHOWN.

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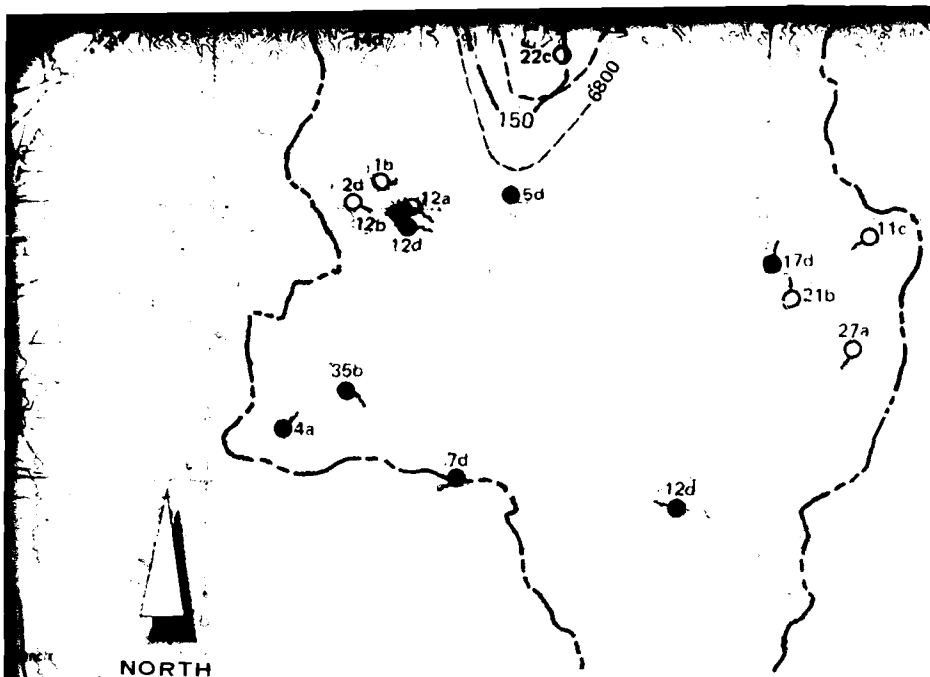
POTENTIOMETRIC LEVELS
STEPTOE VALLEY, NEVADA

30 NOV 81

FIGURE B1-31



T12N

T11N

T10N

T9N

T8N

T7N

T6N

EXPLANATION

5 10 STATUTE MILES

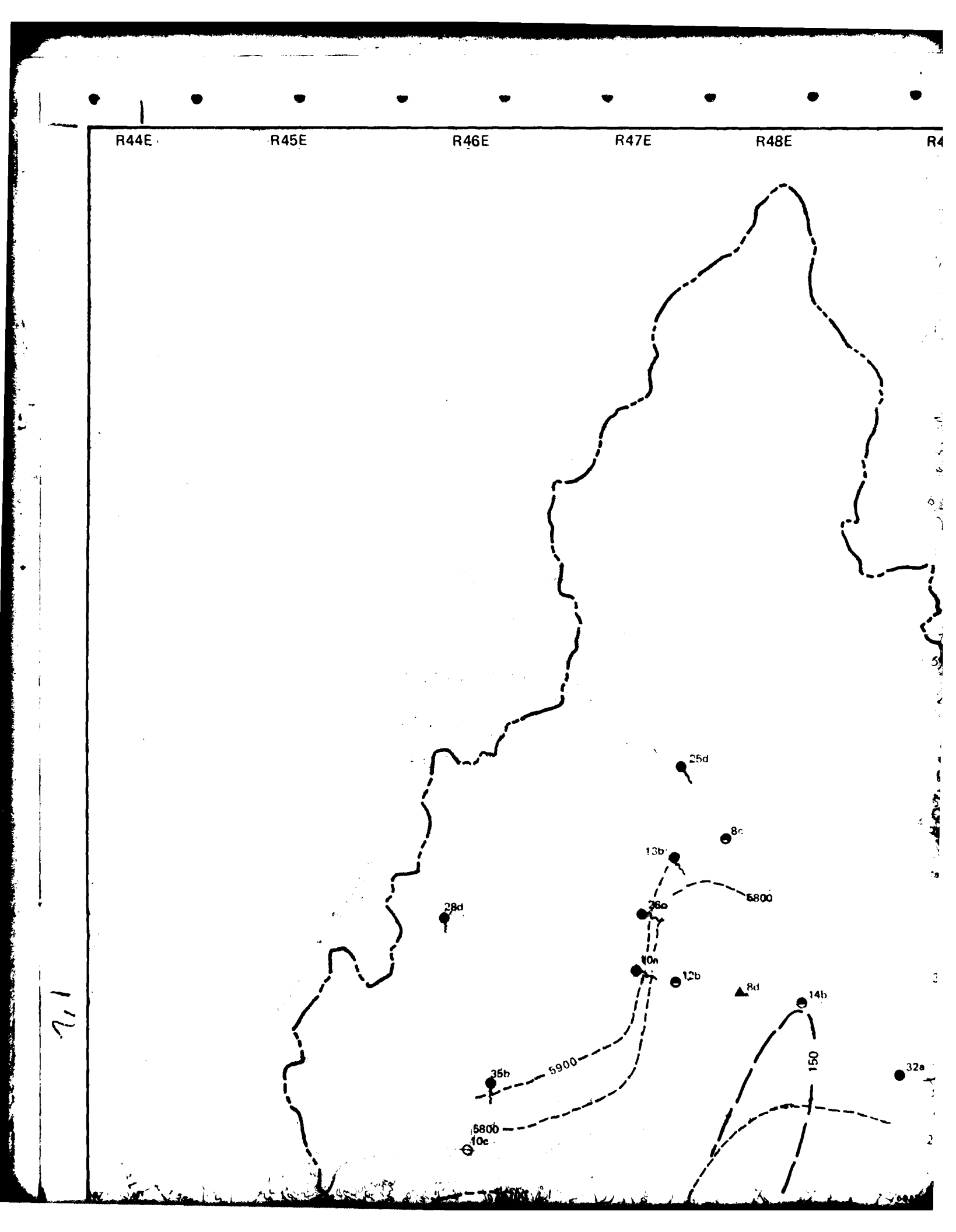
5 10 KILOMETERS

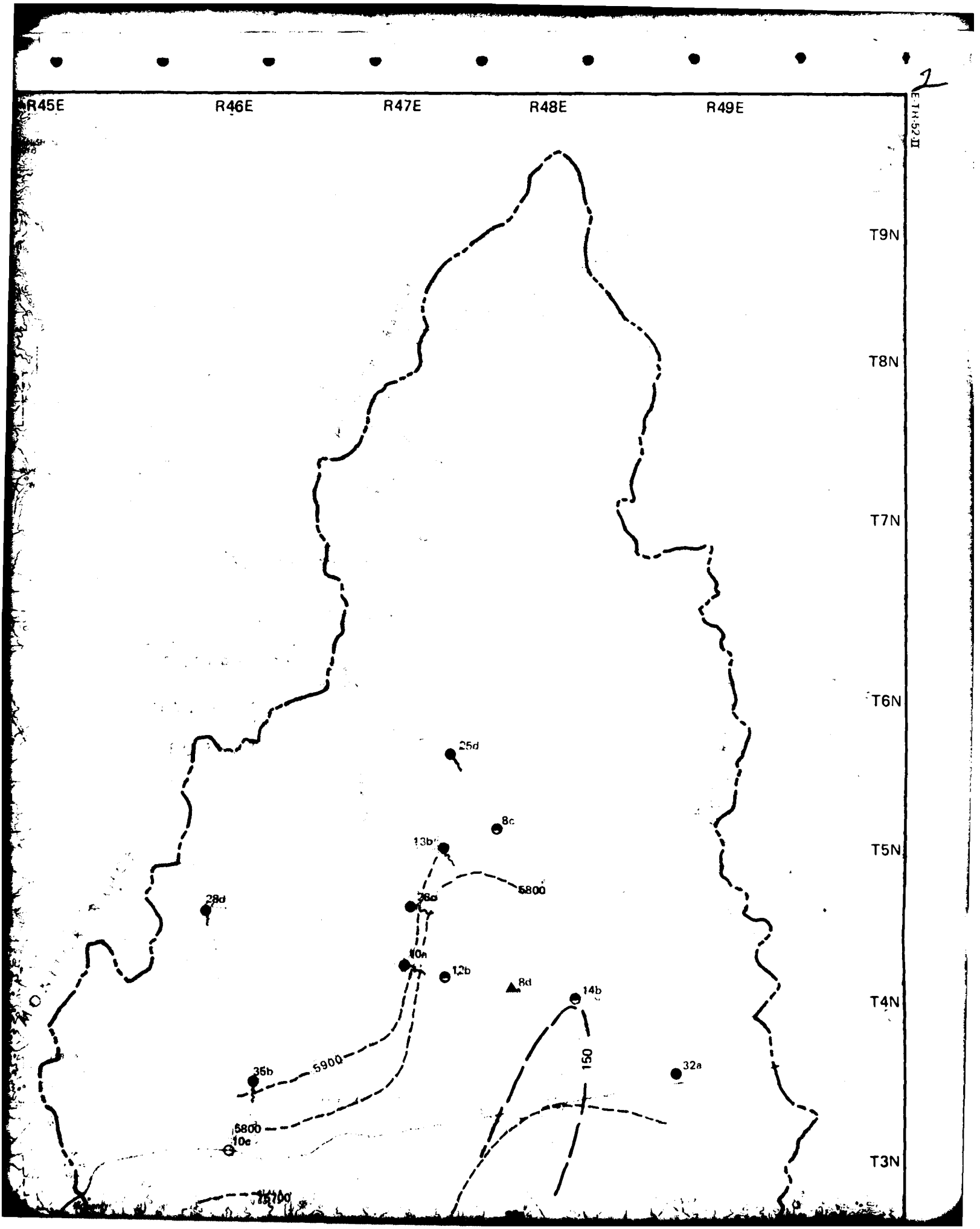
- DRAINAGE DIVIDE
- CONTOURS
- —50— DEPTH TO POTENTIOMETRIC SURFACE
- --5400-- POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◎ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
- AQUIFER TEST
- Ertec VERIFICATION BORING
- Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
- 7b SECTION LOCATION NUMBER

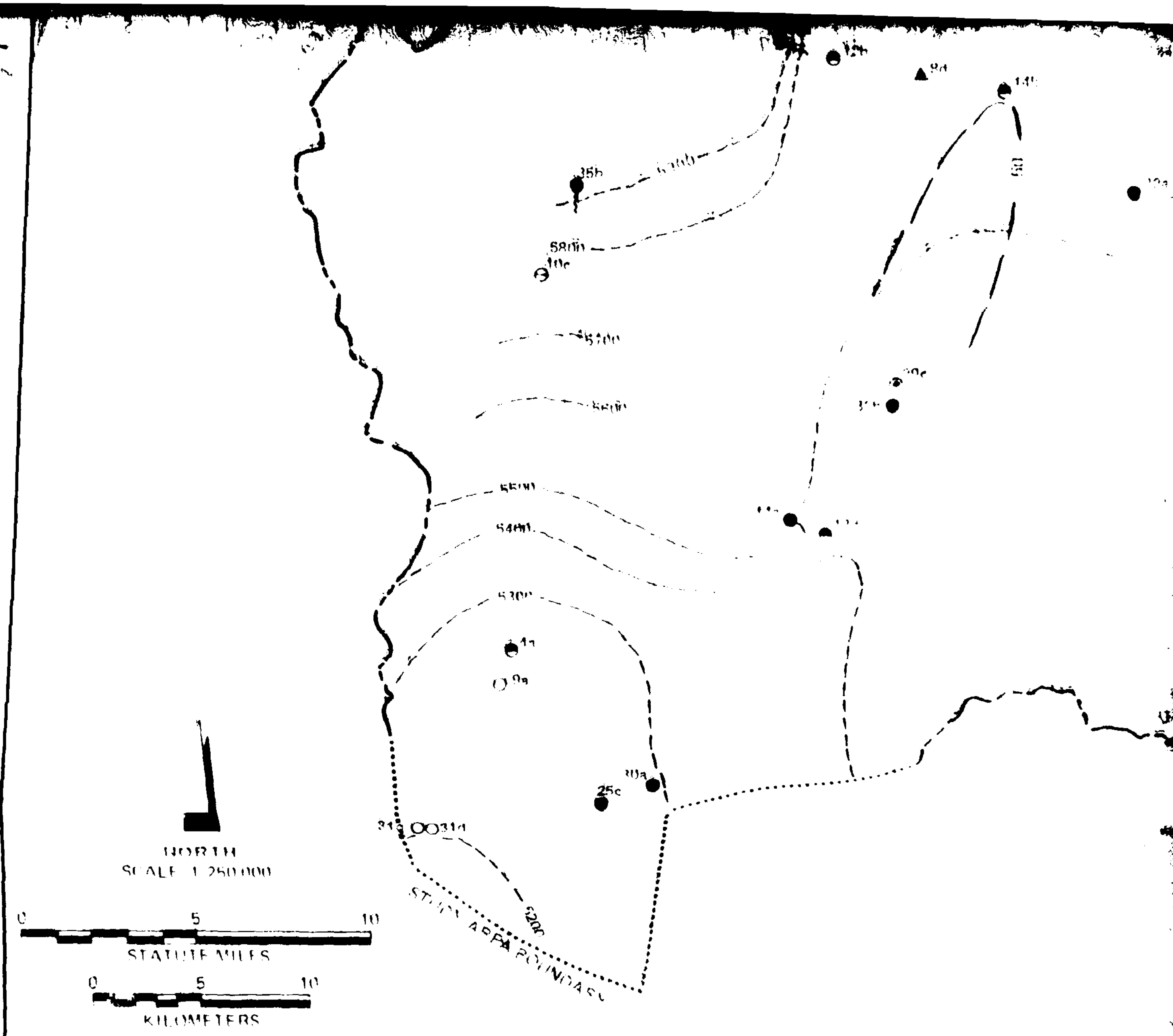
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-31
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-31

NOTES. (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN.


R44E
R45E
R46E
R47E
R48E
R4
25d
8c
13b
5800
28d
26a
10a
12b
8d
14b
5900
35b
150
32a
5800
10c


R45E
R46E
R47E
R48E
R49E
T9N
T8N
T7N
T6N
T5N
T4N
T3N
25d
8c
13b
5800
28d
26c
10a
12b
8d
14b
150
35b
5900
32a
5800
10c
25100



EXPLANATION

DRAINAGE DIVIDE

CONTOURS

—50— DEPTH TO POTENTIOMETRIC SURFACE

– – 5400 – – POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

STOCK OR DOMESTIC WELL OR BORING

● MEASURED BY Ertec

○ OTHER DATA SOURCES

IRRIGATION OR MUNICIPAL WELL

MEASURED BY Ertec

OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

STREAMS

▲ MEASURED BY Ertec

△ OTHER DATA SOURCES

SPRINGS

MEASURED BY Ertec

OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED

SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SH[illegible]

DATES OF DISCHARGE MEASUREMENTS SHO[illegible]

NOTES: [illegible]

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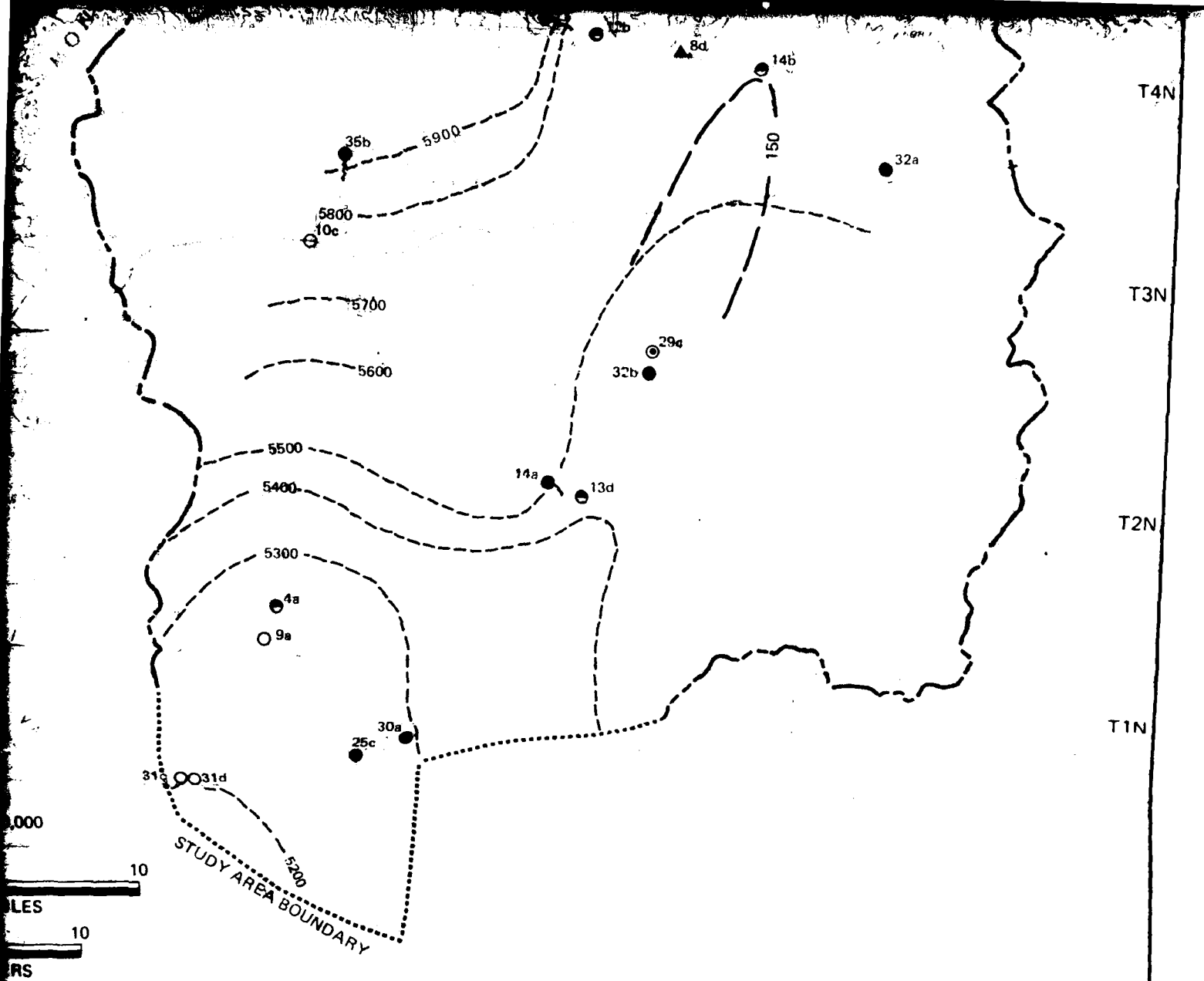
POTENTIOMETRIC LEVELS
STONE CABIN VALLEY, NEVADA

30 NOV 81

FIGURE 61-32

2



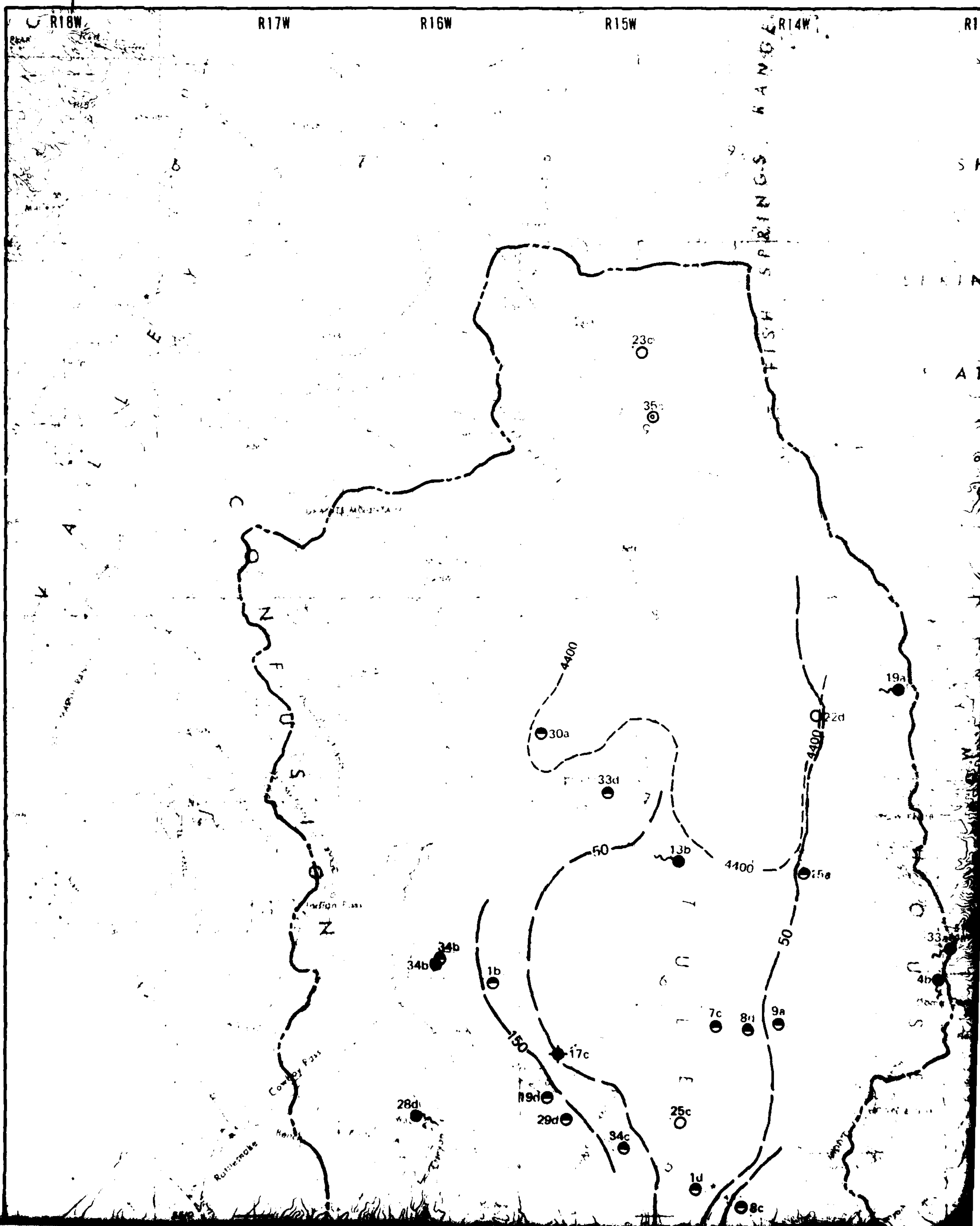
EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- 50 DEPTH TO POTENTIOMETRIC SURFACE
- 5400 POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - STOCK OR DOMESTIC WELL OR BORING
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ◉ MEASURED BY Ertec
    - ◉ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - ● MEASURED BY Ertec
    - ○ OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ⊖ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL
- NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

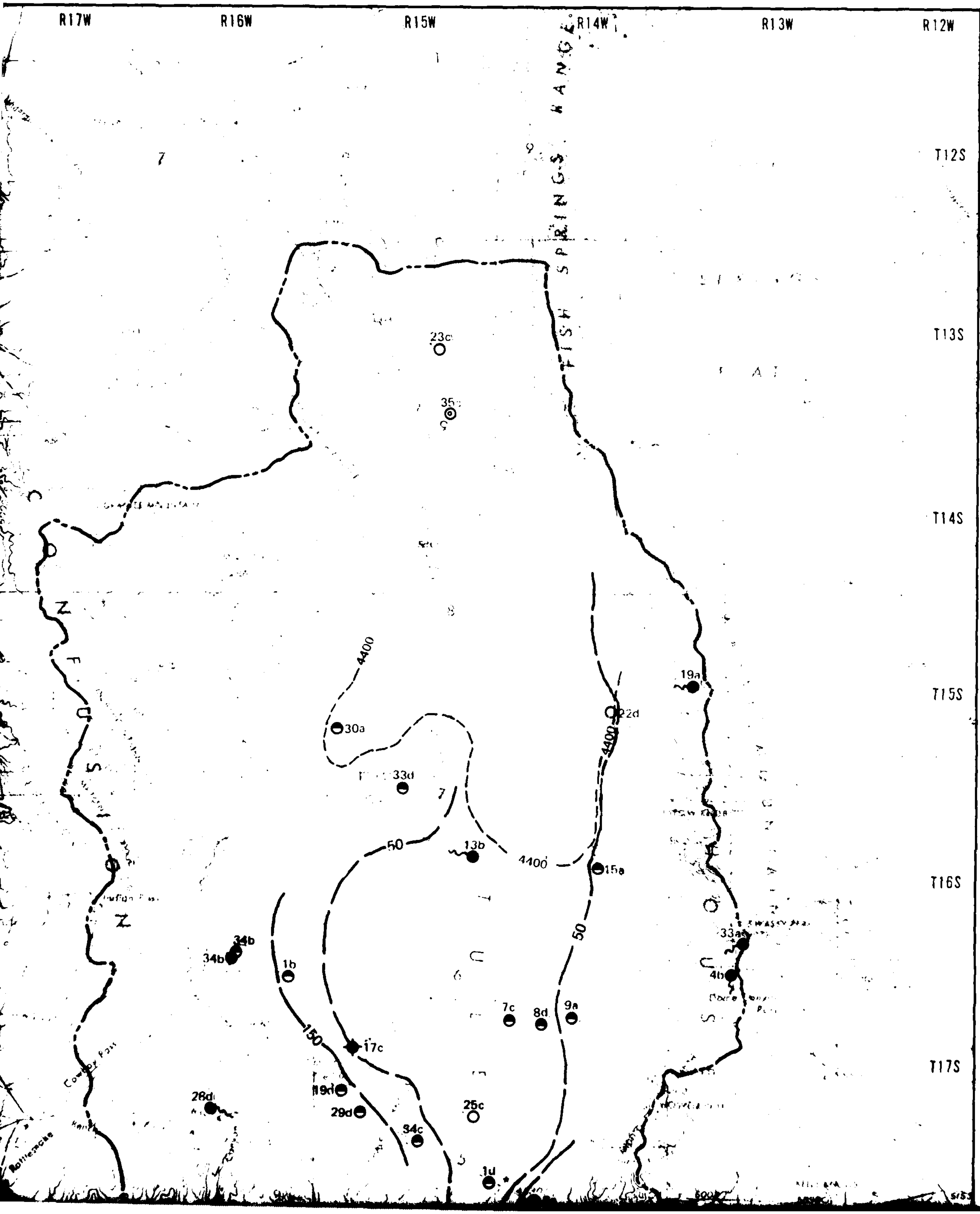
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1 32
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1 32

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH TO WATER CONTOURS SHOWN

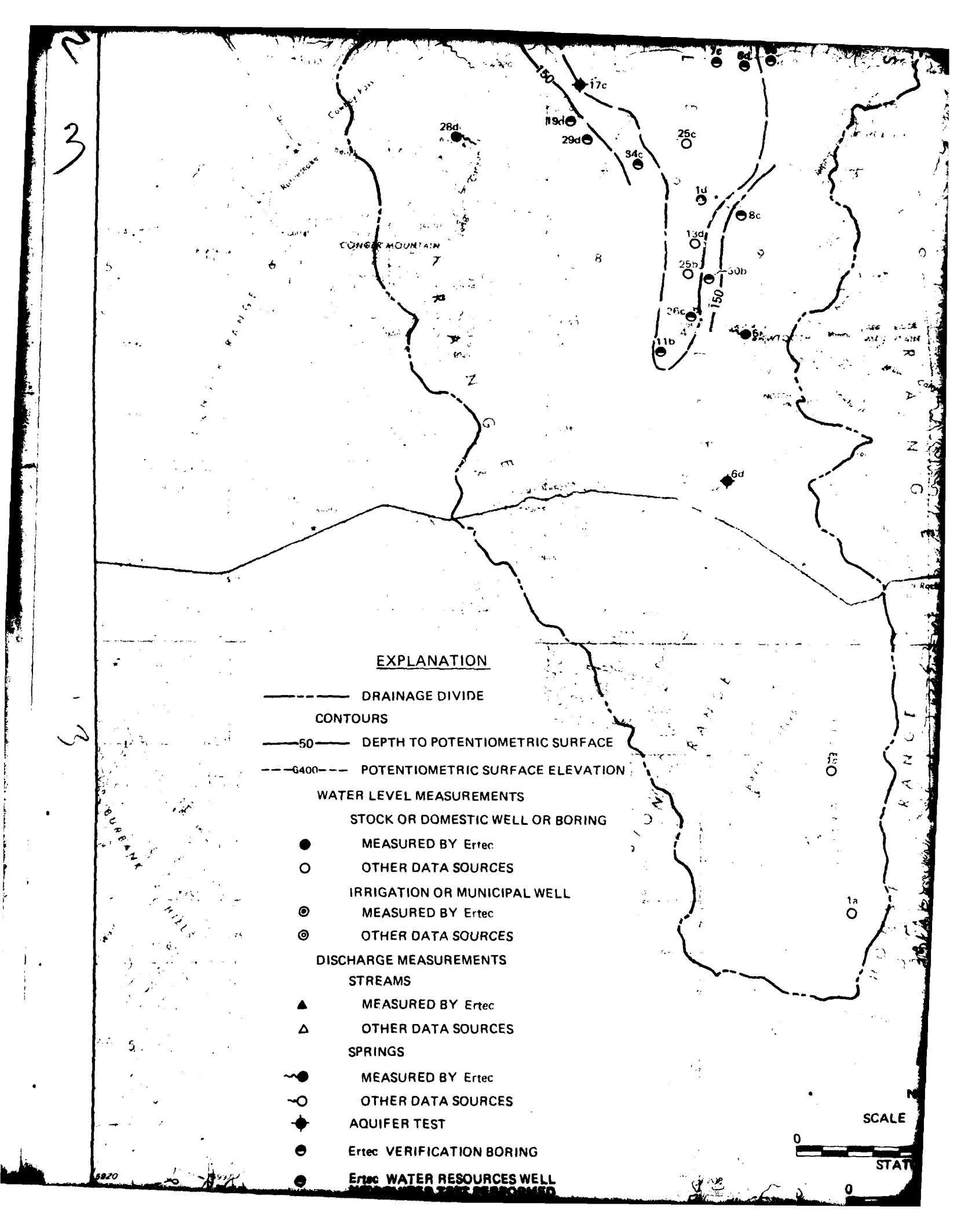

R18W
R17W
R16W
R15W
R14W
FISH SPRINGS RANGE
23c
35c
4400
30a
33d
50
13b
4400
22d
19a
15a
150
17c
1b
34b
7c
8d
9a
33a
4b
28d
19d
29d
34c
25c
1d
8c
Cowboy Pass
Indian Pass
Rattlesnake

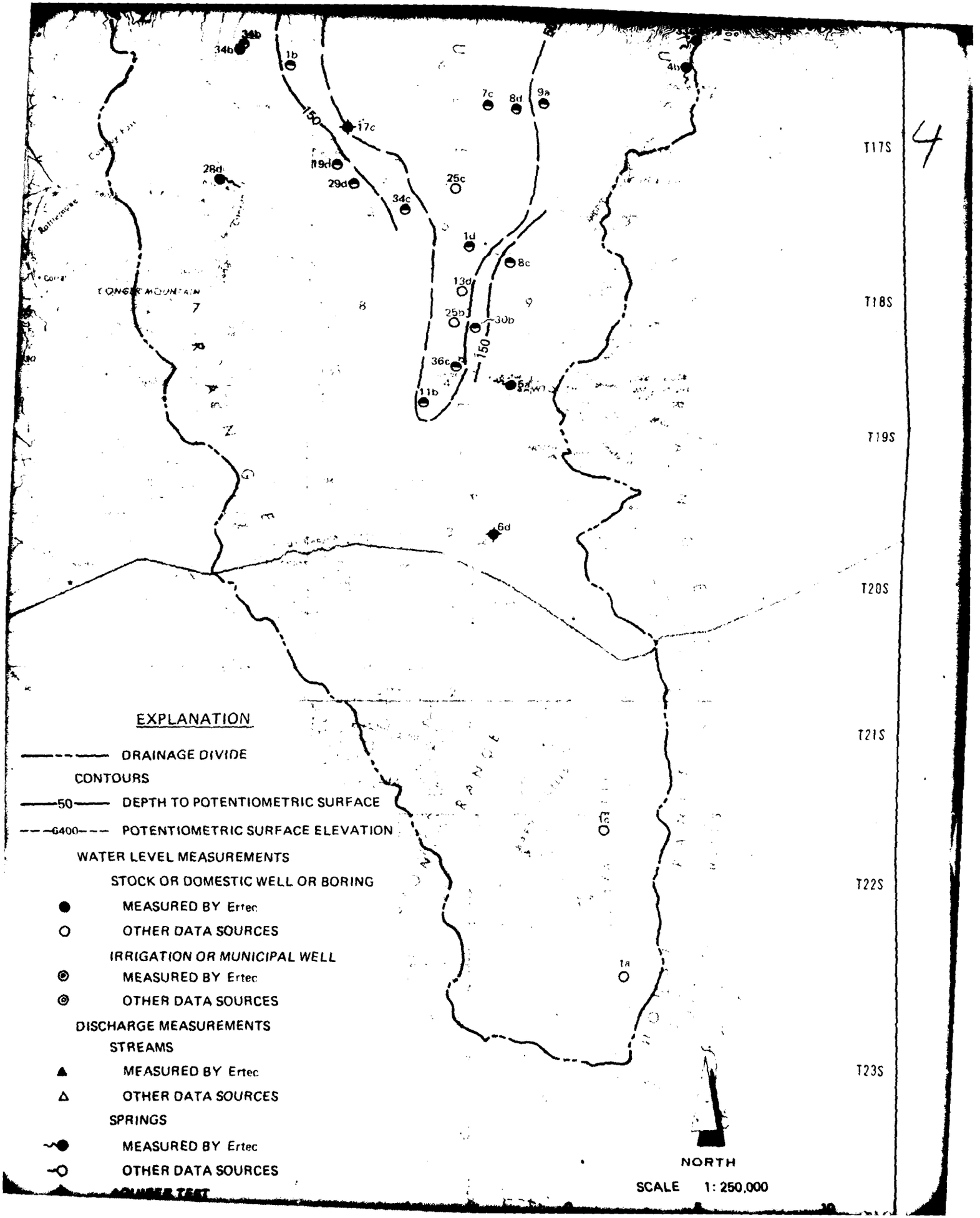
2



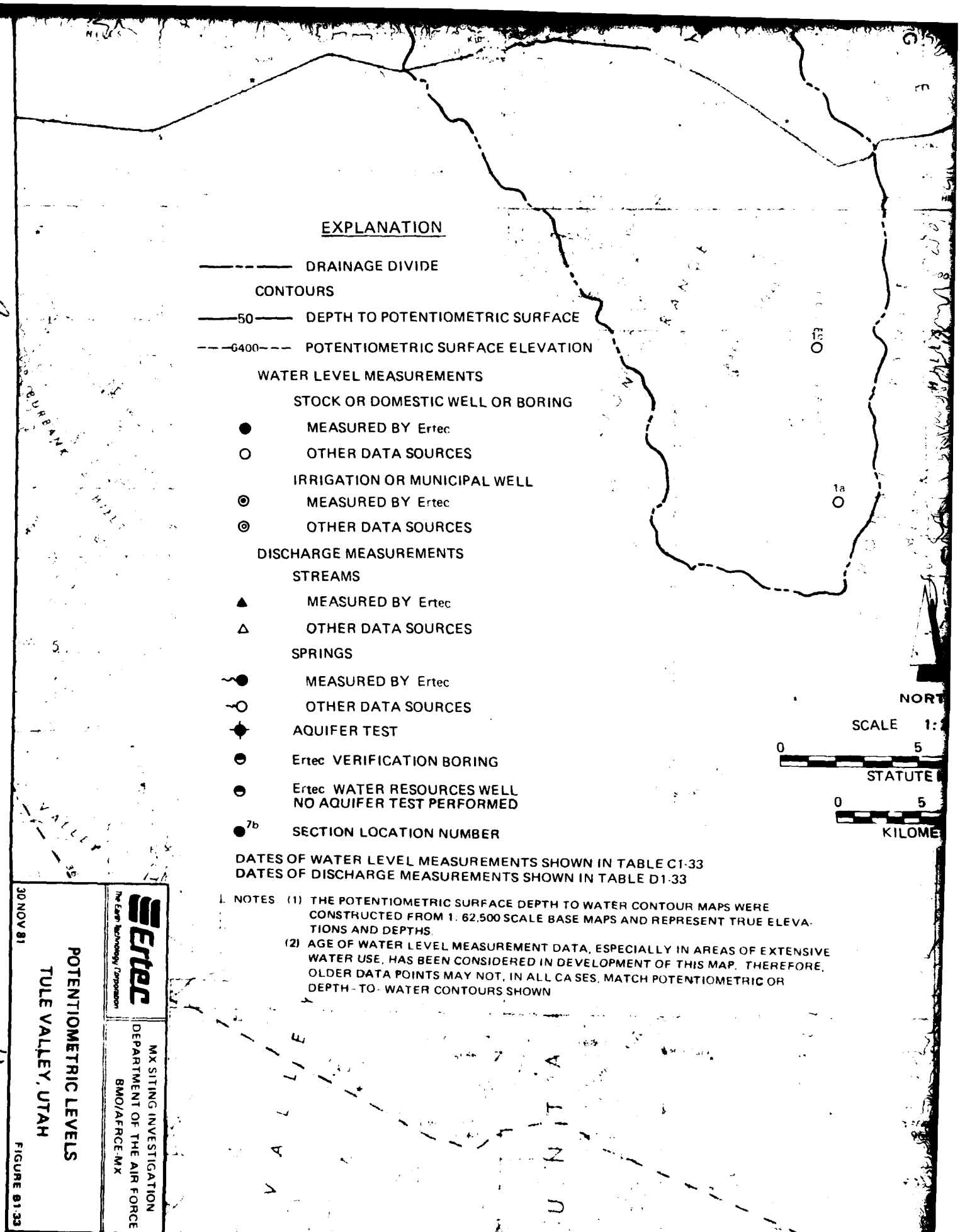
R17W
R16W
R15W
R14W
R13W
R12W
T12S
T13S
T14S
T15S
T16S
T17S
FISH SPRINGS RANGE
4400
4400
4400
50
50
150
23c
35c
19a
22d
30a
33d
13b
15a
33a
34b
34b
1b
4b
7c
8d
9a
17c
19d
28d
29d
25c
34c
1d

ETH 52 II


EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
6400 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
SCALE
0
STAT
0
CONGER MOUNTAIN
BURBANK HILLS
17c
19d
29d
28d
34c
25c
1d
8c
13d
25b
30b
26c
11b
6a
6d
1a
150
6920


34b
1b
150
17c
19d
29d
28d
34c
7c
8d
9a
4b
25c
1d
8c
13d
25b
30b
36c
11b
6d
T17S
T18S
T19S
T20S
T21S
T22S
T23S
LONGER MOUNTAIN
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
6400 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
NORTH
SCALE 1: 250,000

4


EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
6400 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-33
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-33
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN
SCALE 1:
0 5
STATUTE
0 5
KILOME
Ertec
The Earth Technology Corporation
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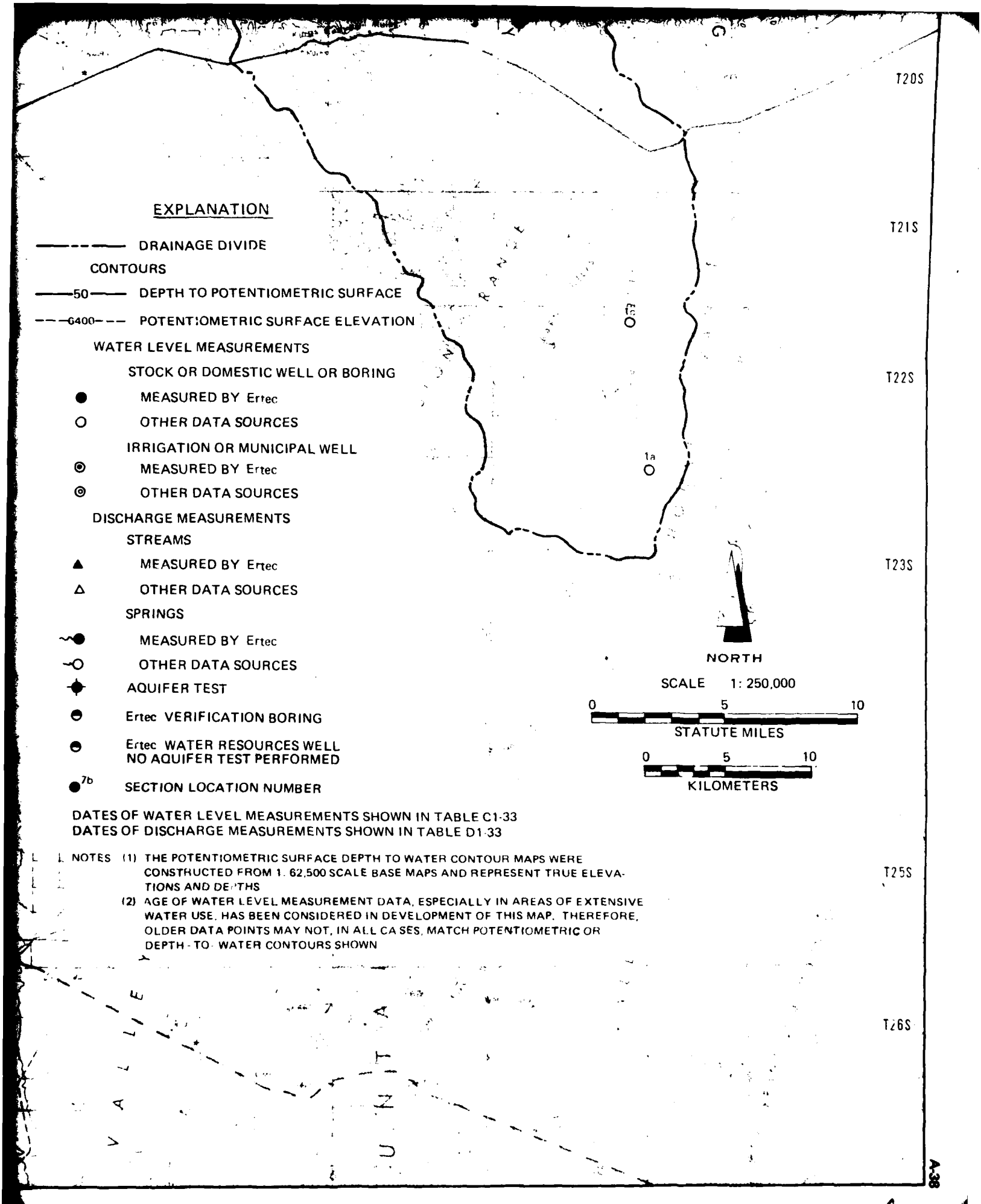
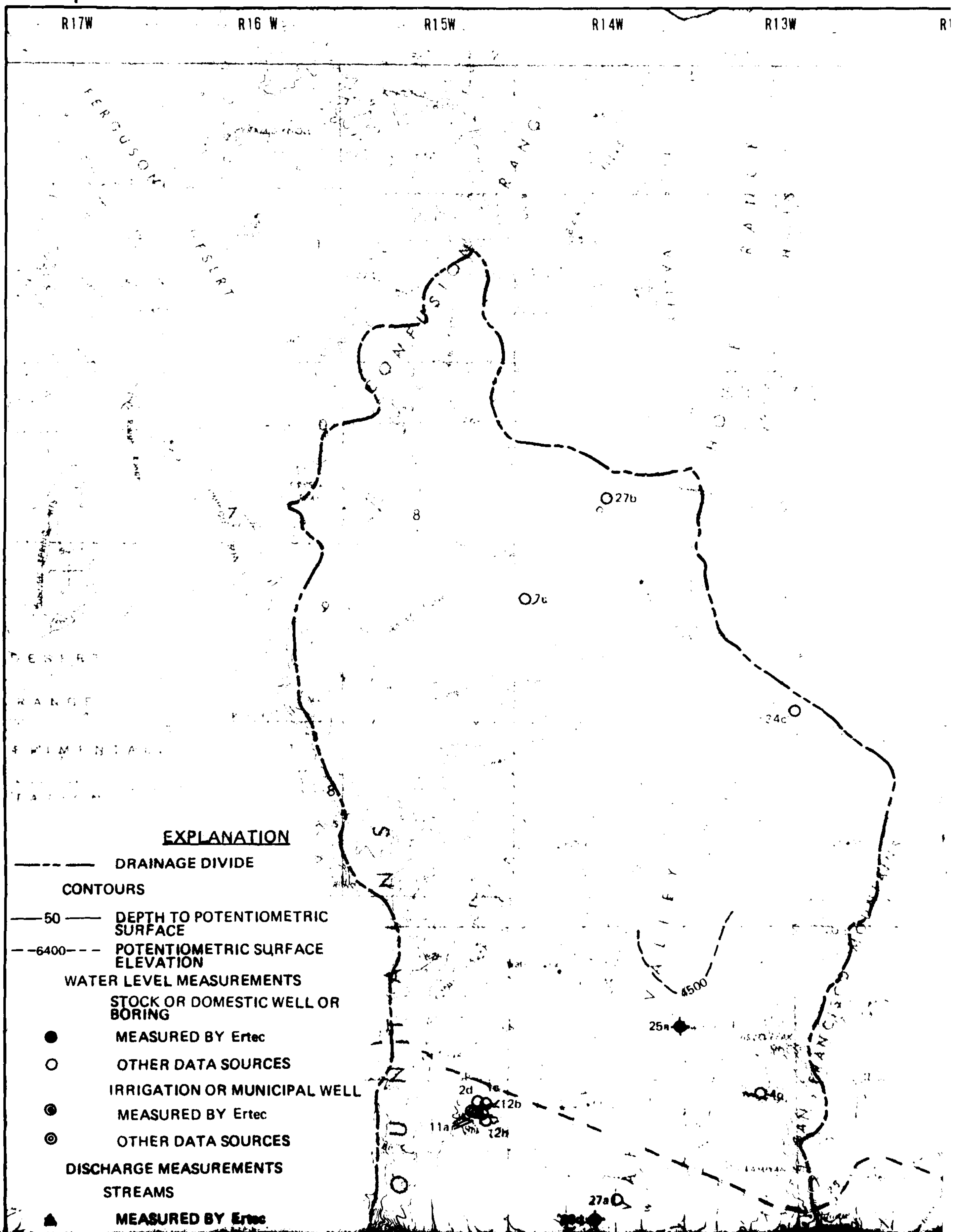
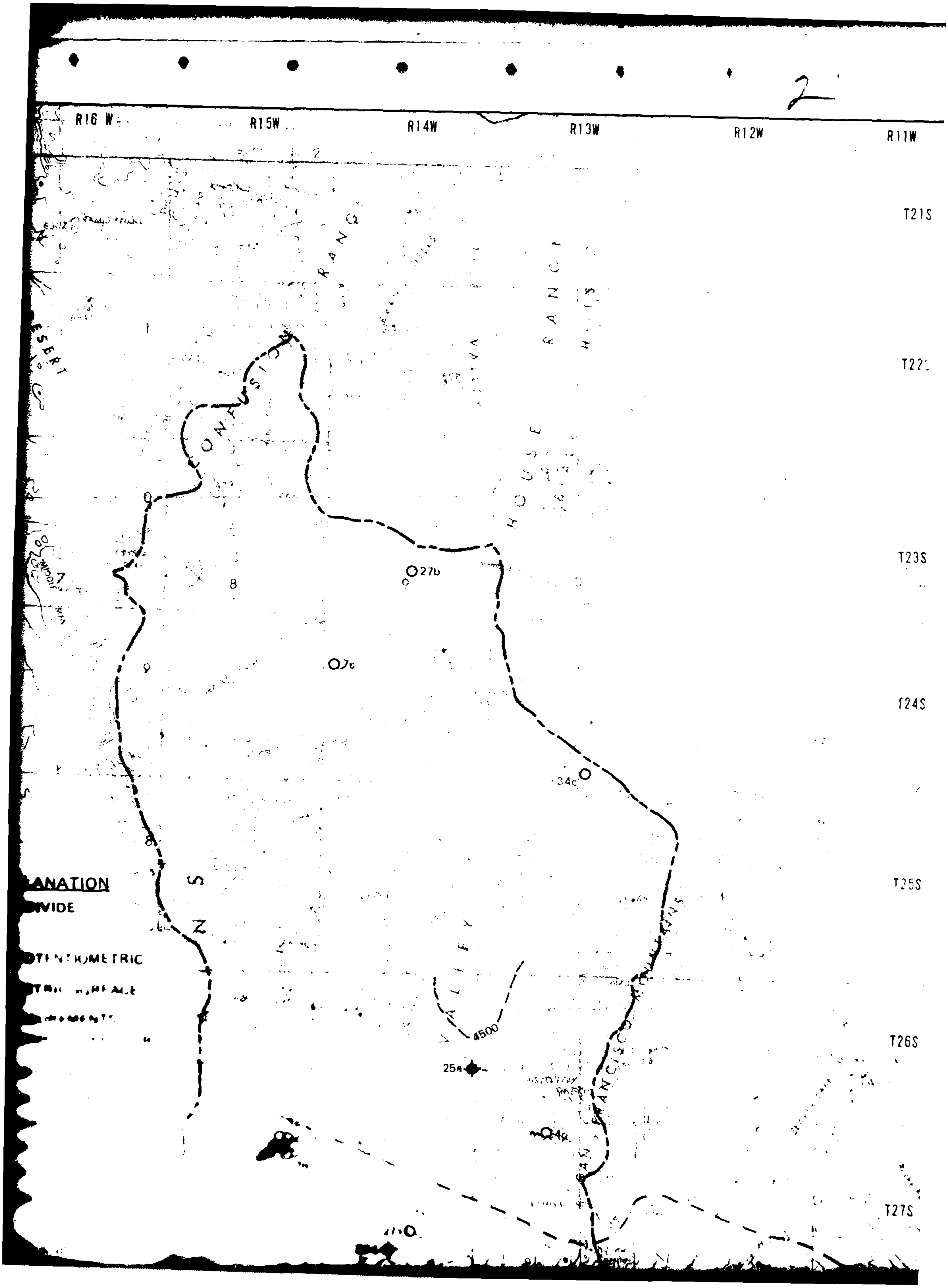
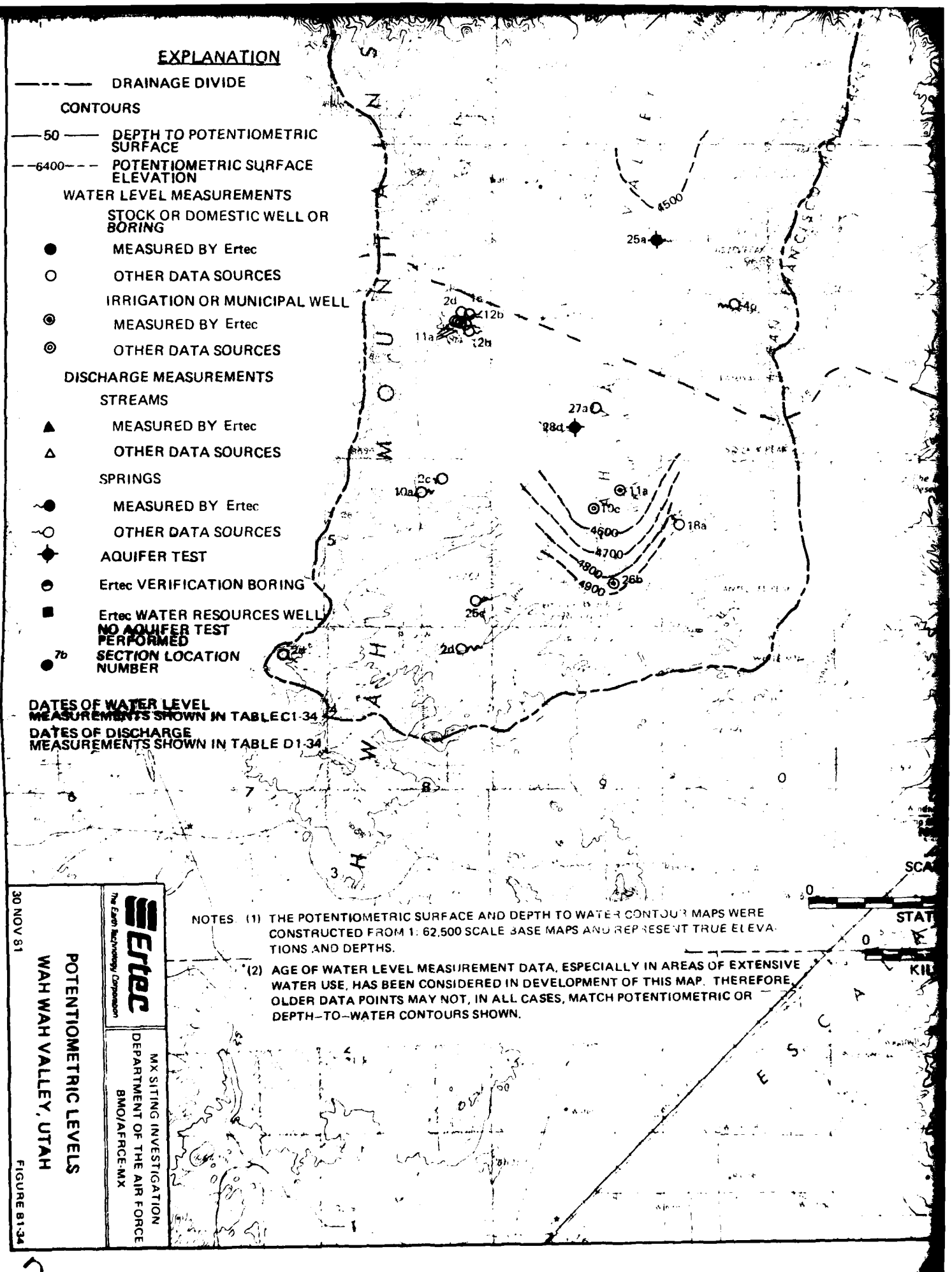
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX
POTENTIOMETRIC LEVELS
TULE VALLEY, UTAH
30 NOV 81
FIGURE D1-33


T20S
T21S
T22S
T23S
T25S
T26S
1a
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
6400 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec
OTHER DATA SOURCES
SPRINGS
MEASURED BY Ertec
OTHER DATA SOURCES
AQUIFER TEST
Ertec VERIFICATION BORING
Ertec WATER RESOURCES WELL NO AQUIFER TEST PERFORMED
7b SECTION LOCATION NUMBER
NORTH
SCALE 1: 250,000
0 5 10
STATUTE MILES
0 5 10
KILOMETERS
DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-33
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-33
NOTES (1) THE POTENTIOMETRIC SURFACE DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN


R17W
R16 W
R15W
R14W
R13W
FERGUSON
DESERT
RANGE
CONFUSION
27b
24c
6500
25a
4g
2d
12b
11a
12H
27a
EXPLANATION
DRAINAGE DIVIDE
CONTOURS
50 DEPTH TO POTENTIOMETRIC SURFACE
6400 POTENTIOMETRIC SURFACE ELEVATION
WATER LEVEL MEASUREMENTS
STOCK OR DOMESTIC WELL OR BORING
MEASURED BY Ertec
OTHER DATA SOURCES
IRRIGATION OR MUNICIPAL WELL
MEASURED BY Ertec
OTHER DATA SOURCES
DISCHARGE MEASUREMENTS
STREAMS
MEASURED BY Ertec


2
R16 W
R15W
R14W
R13W
R12W
R11W
T21S
T23S
T24S
T25S
T26S
T27S
27b
34c
4500
25a
ANATION
VIDE
OTENTIOMETRIC



NOTES: (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH–TO–WATER CONTOURS SHOWN.

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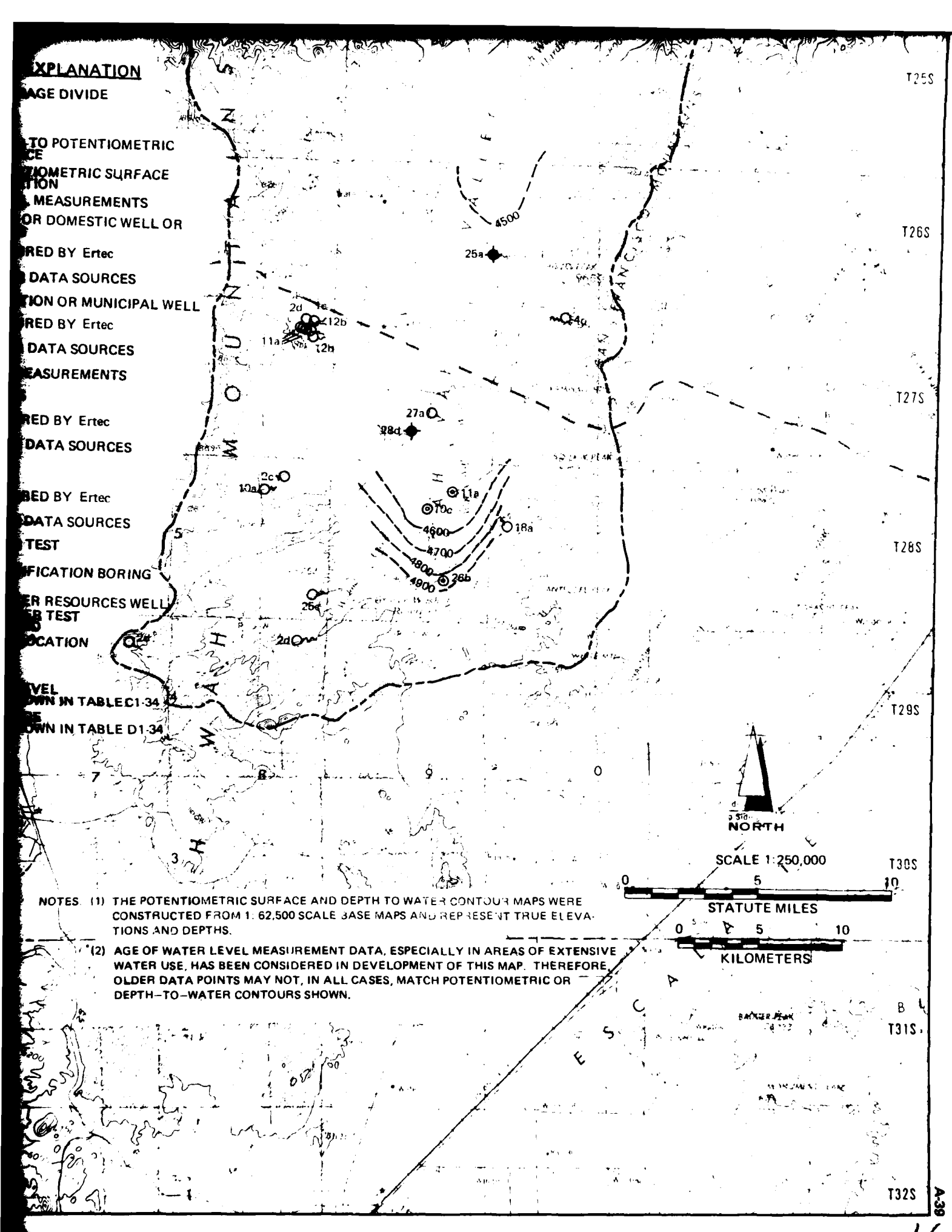
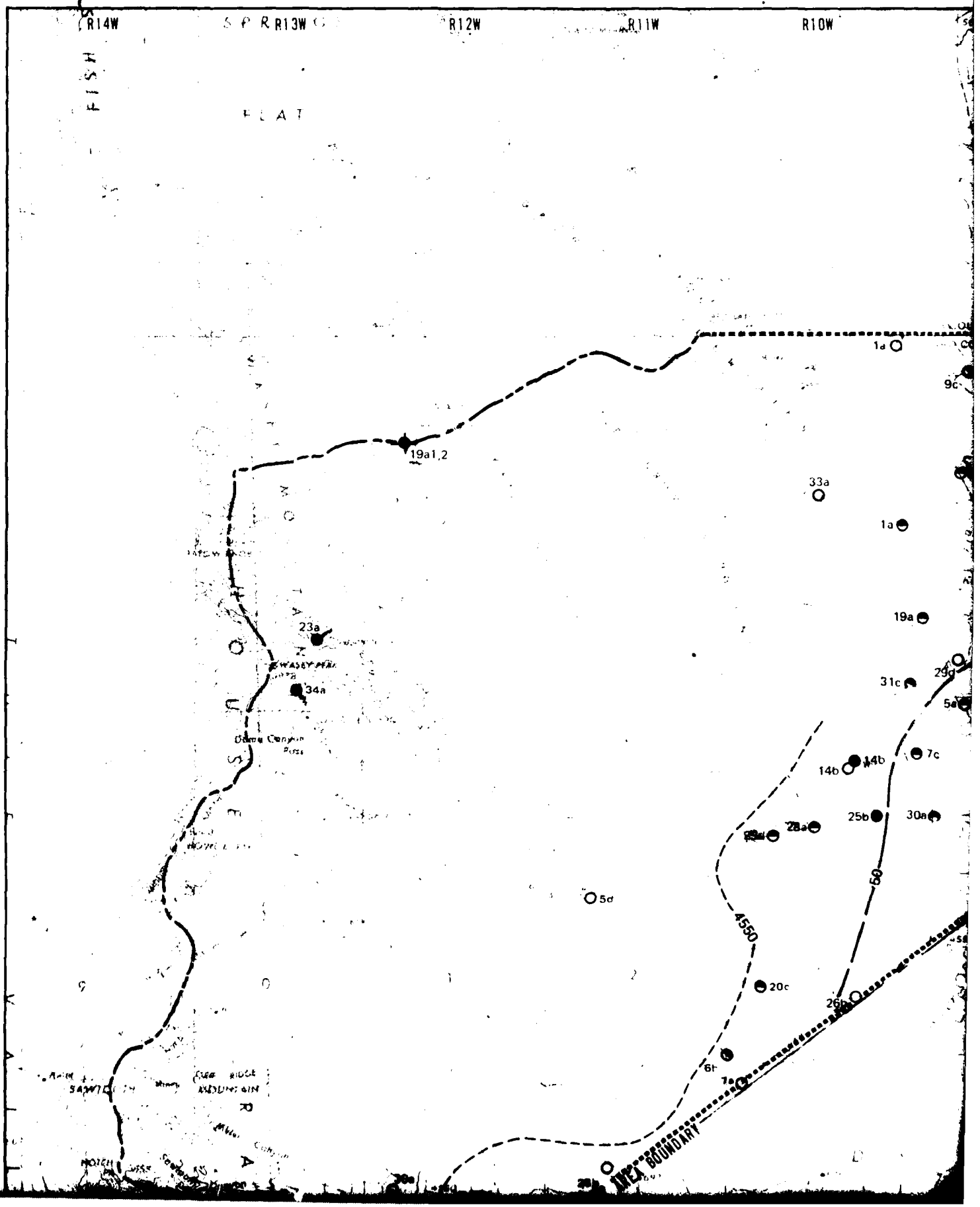
POTENTIOMETRIC LEVELS
WAH WAH VALLEY, UTAH

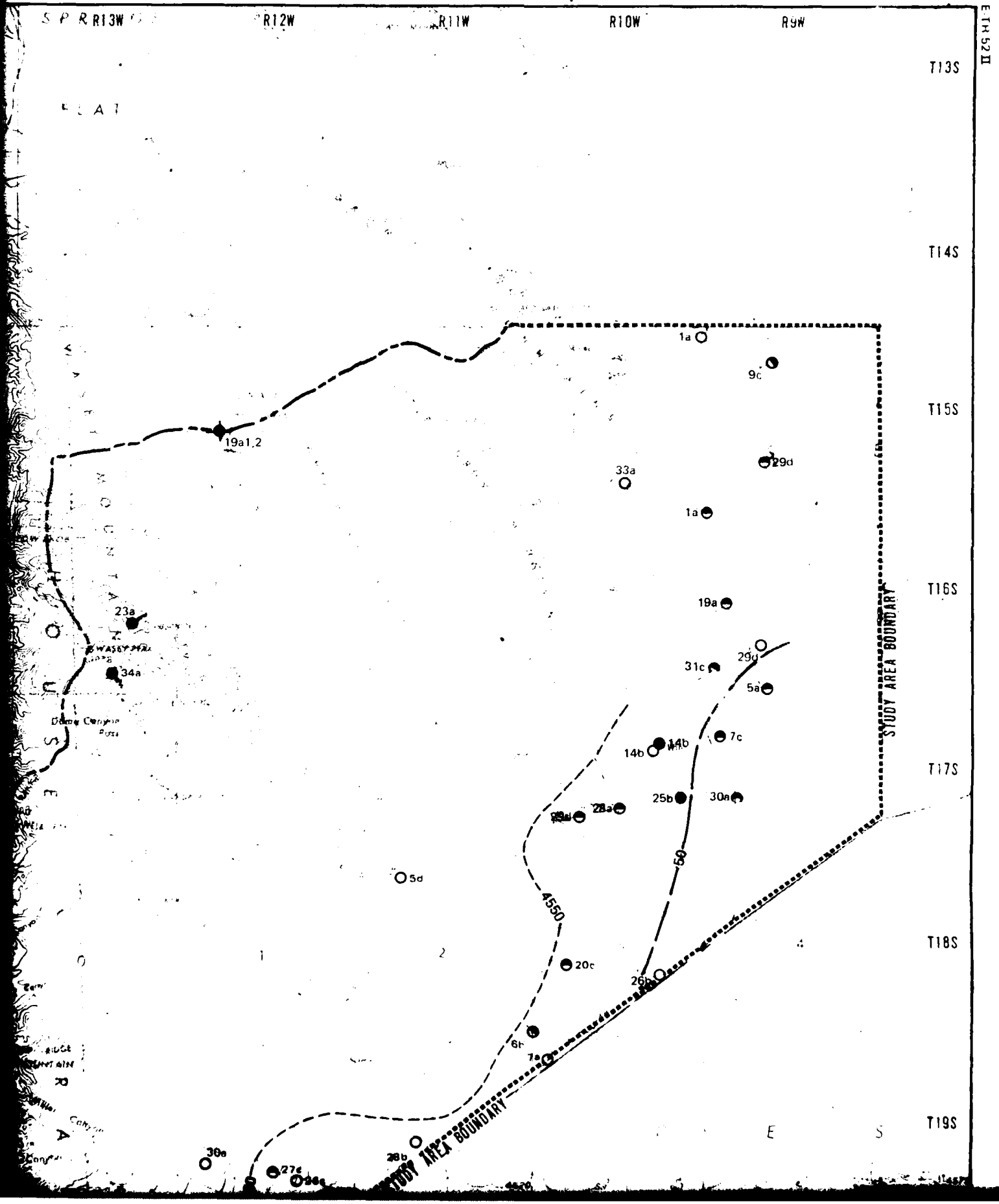
30 NOV 81

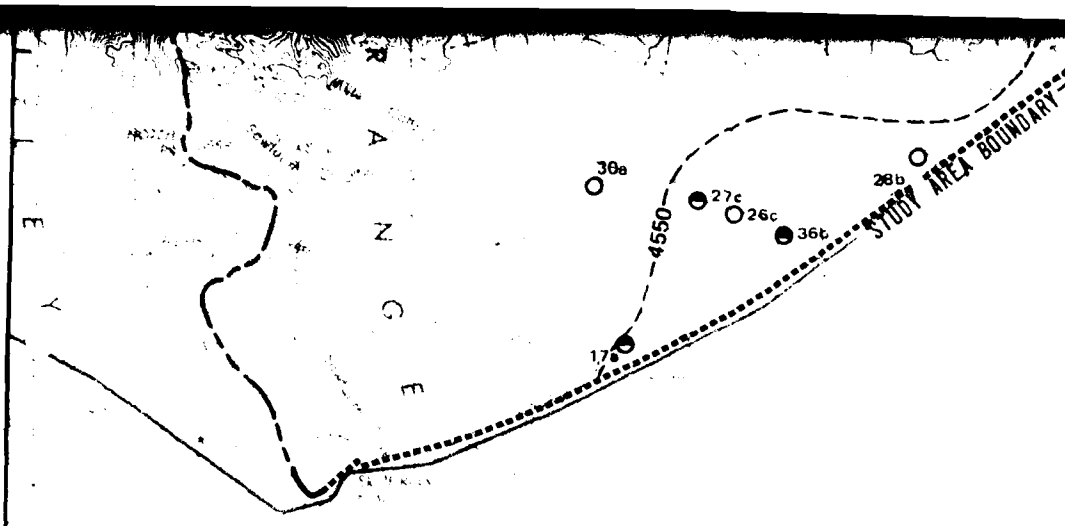
FIGURE B1-34


XPLANATION
AGE DIVIDE
TO POTENTIOMETRIC
CE
IOMETRIC SURFACE
TION
MEASUREMENTS
OR DOMESTIC WELL OR
RED BY Ertec
DATA SOURCES
TION OR MUNICIPAL WELL
RED BY Ertec
DATA SOURCES
EASUREMENTS
RED BY Ertec
DATA SOURCES
BED BY Ertec
DATA SOURCES
TEST
FICATION BORING
ER RESOURCES WELL
R TEST
OCATION
VEL
WN IN TABLE C1-34
WN IN TABLE D1-34
T25S
T26S
T27S
T28S
T29S
T30S
T31S
T32S
4500
4600
4700
4800
4900
25a
27a
28d
11a
10c
18a
26b
NORTH
SCALE 1:250,000
0 5 10
STATUTE MILES
0 5 10
KILOMETERS
NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.
(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH–TO–WATER CONTOURS SHOWN.

4


R14W
R13W
R12W
R11W
R10W
FISH
FLAT
19a1,2
33a
1a
9c
23a
34a
31c
29d
5a
7c
14b
25b
30a
28a
5d
4550
50
20c
6h
7a
26a
BOUNDARY


R13W
R12W
R11W
R10W
R9W
T13S
T14S
T15S
T16S
T17S
T18S
T19S
1a
9c
19a1,2
33a
29d
1a
19a
23a
34a
31c
29d
5a
14b
14b
7c
25b
30a
28a
5d
4550
50
20c
26b
6b
7a
30a
27c
28b
STUDY AREA BOUNDARY
STUDY AREA BOUNDARY



EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- 50 — DEPTH TO POTENTIOMETRIC SURFACE
- 4750 -- POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
  - ● STOCK OR DOMESTIC WELL OR BORING
    - MEASURED BY Ertec
  - ○ OTHER DATA SOURCES
  - IRRIGATION OR MUNICIPAL WELL
    - ○ MEASURED BY Ertec
    - ◎ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
  - STREAMS
    - ▲ MEASURED BY Ertec
    - △ OTHER DATA SOURCES
  - SPRINGS
    - MEASURED BY Ertec
    - OTHER DATA SOURCES
- ✦ AQUIFER TEST
- ⊖ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL
  NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-35
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-35

NOTES (1) THE POTENTIOMETRIC SURFACE AND DEPTH TO WATER CONTOUR MAPS WERE CONSTRUCTED FROM 1: 62,500 SCALE BASE MAPS AND REPRESENT TRUE ELEVATIONS AND DEPTHS.

(2) AGE OF WATER LEVEL MEASUREMENT DATA, ESPECIALLY IN AREAS OF EXTENSIVE WATER USE, HAS BEEN CONSIDERED IN DEVELOPMENT OF THIS MAP. THEREFORE, OLDER DATA POINTS MAY NOT, IN ALL CASES, MATCH POTENTIOMETRIC OR DEPTH-TO-WATER CONTOURS SHOWN

SCALE 1
0
STATU
0
KILO

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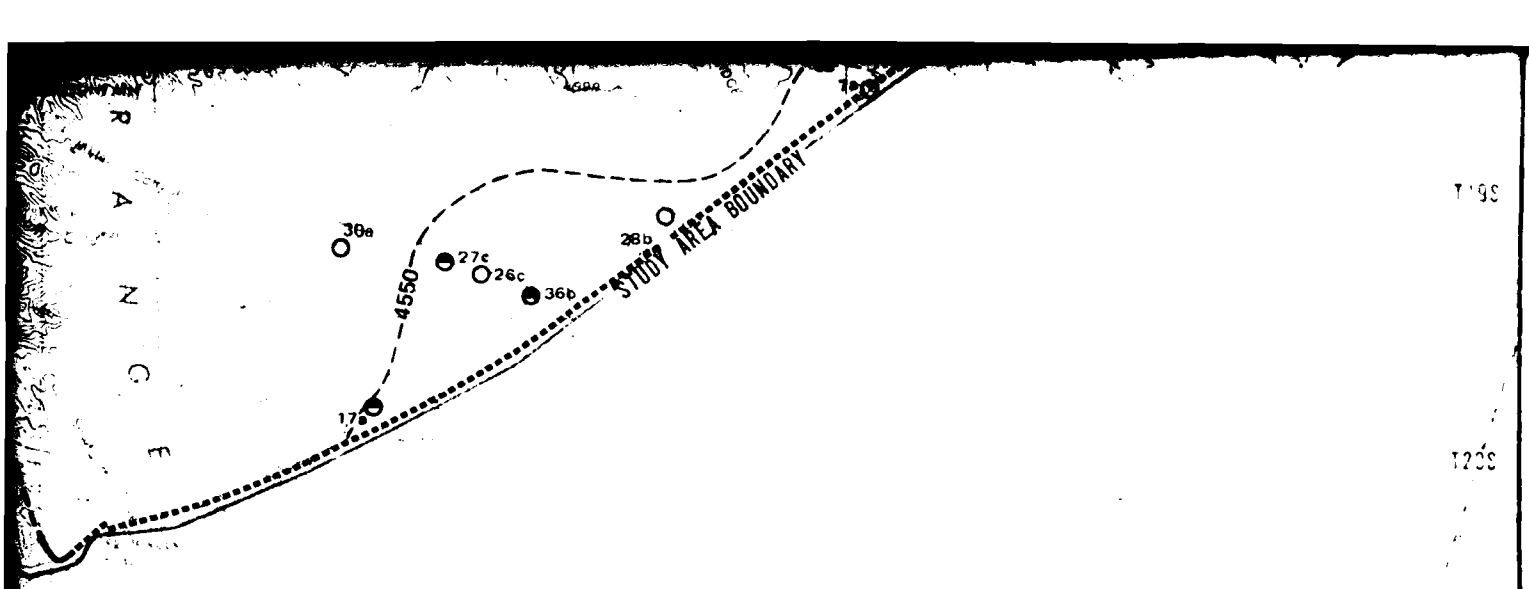
DEPARTMENT OF THE AIR FORCE
BMO/AFRCE-MX

POTENTIOMETRIC LEVELS
WHIRLWIND VALLEY, UTAH

30 NOV 81

FIGURE B1-35



T19S

T20S

T21S

T22S

T23S

T25S

EXPLANATION

- DRAINAGE DIVIDE
- CONTOURS
- 50 — DEPTH TO POTENTIOMETRIC SURFACE
- 4750 -- POTENTIOMETRIC SURFACE ELEVATION
- WATER LEVEL MEASUREMENTS
- ● STOCK OR DOMESTIC WELL OR BORING
- MEASURED BY Ertec
- ○ OTHER DATA SOURCES
- IRRIGATION OR MUNICIPAL WELL
- ○ MEASURED BY Ertec
- ◎ OTHER DATA SOURCES
- DISCHARGE MEASUREMENTS
- STREAMS
- ▲ MEASURED BY Ertec
- △ OTHER DATA SOURCES
- SPRINGS
- ~● MEASURED BY Ertec
- ~○ OTHER DATA SOURCES
- ◆ AQUIFER TEST
- ⊖ Ertec VERIFICATION BORING
- ■ Ertec WATER RESOURCES WELL
- NO AQUIFER TEST PERFORMED
- ● 7b SECTION LOCATION NUMBER

NORTH

SCALE 1: 250,000

0 5 10

STATUTE MILES

0 5 10

KILOMETERS

DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-35
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-35

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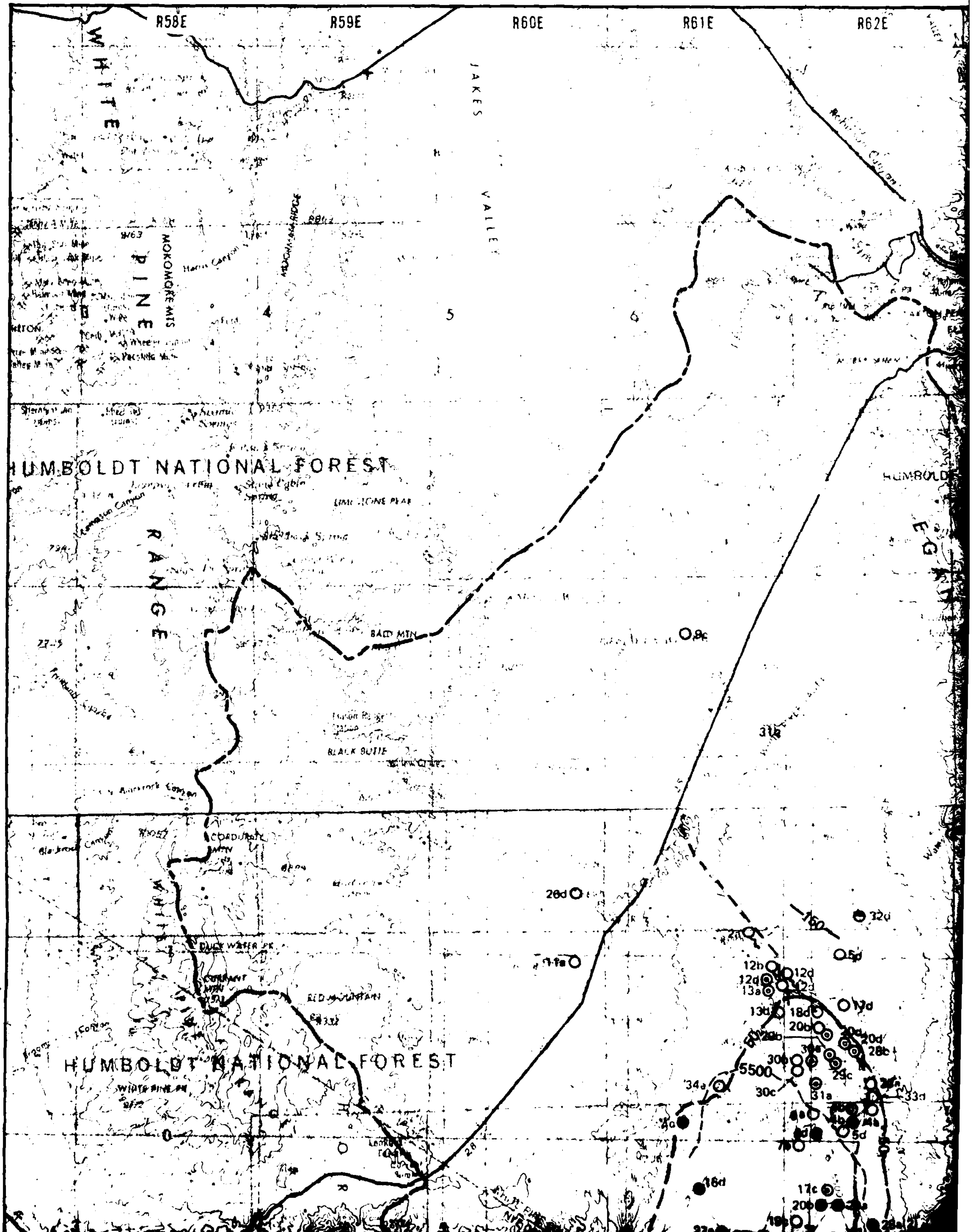
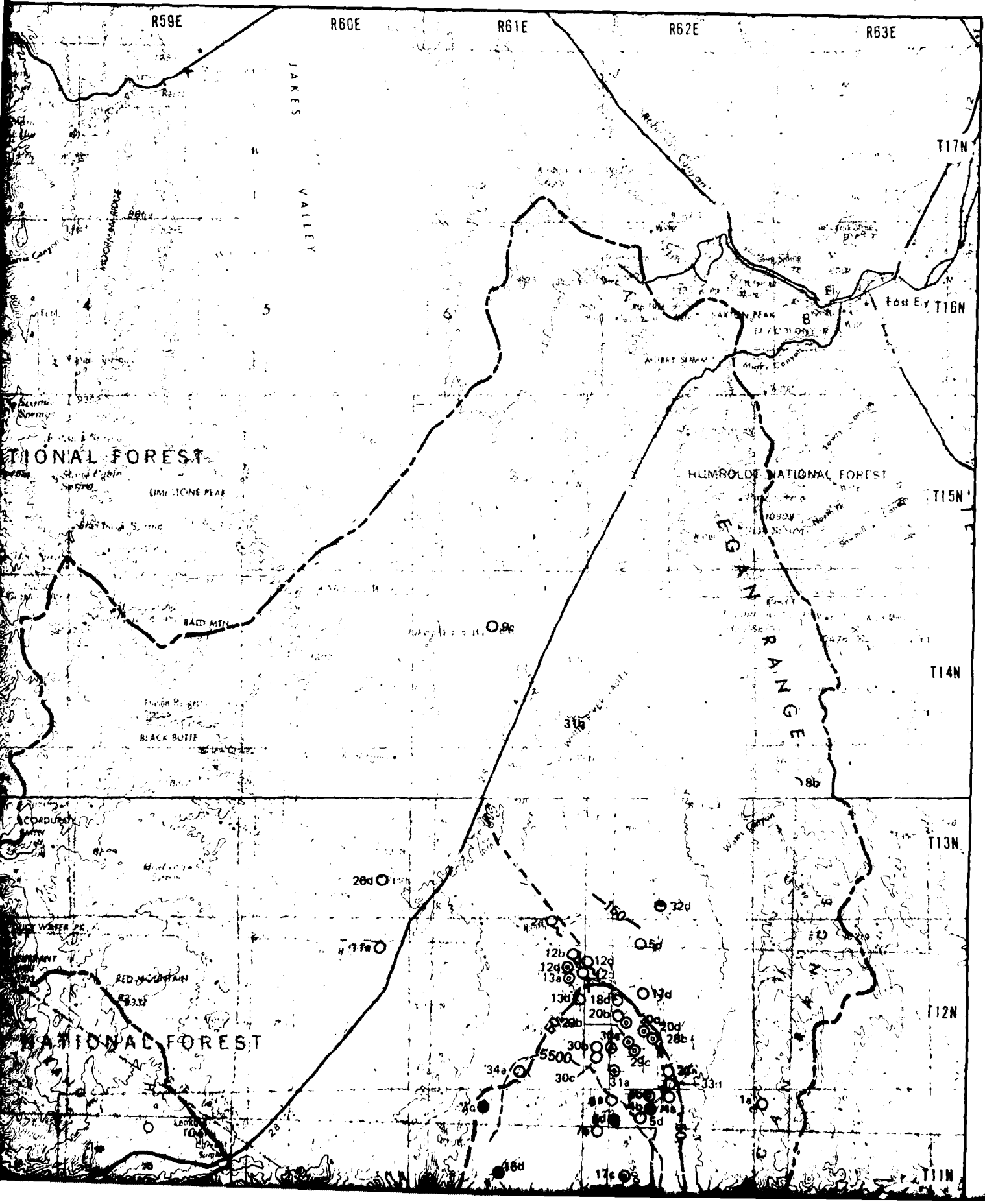
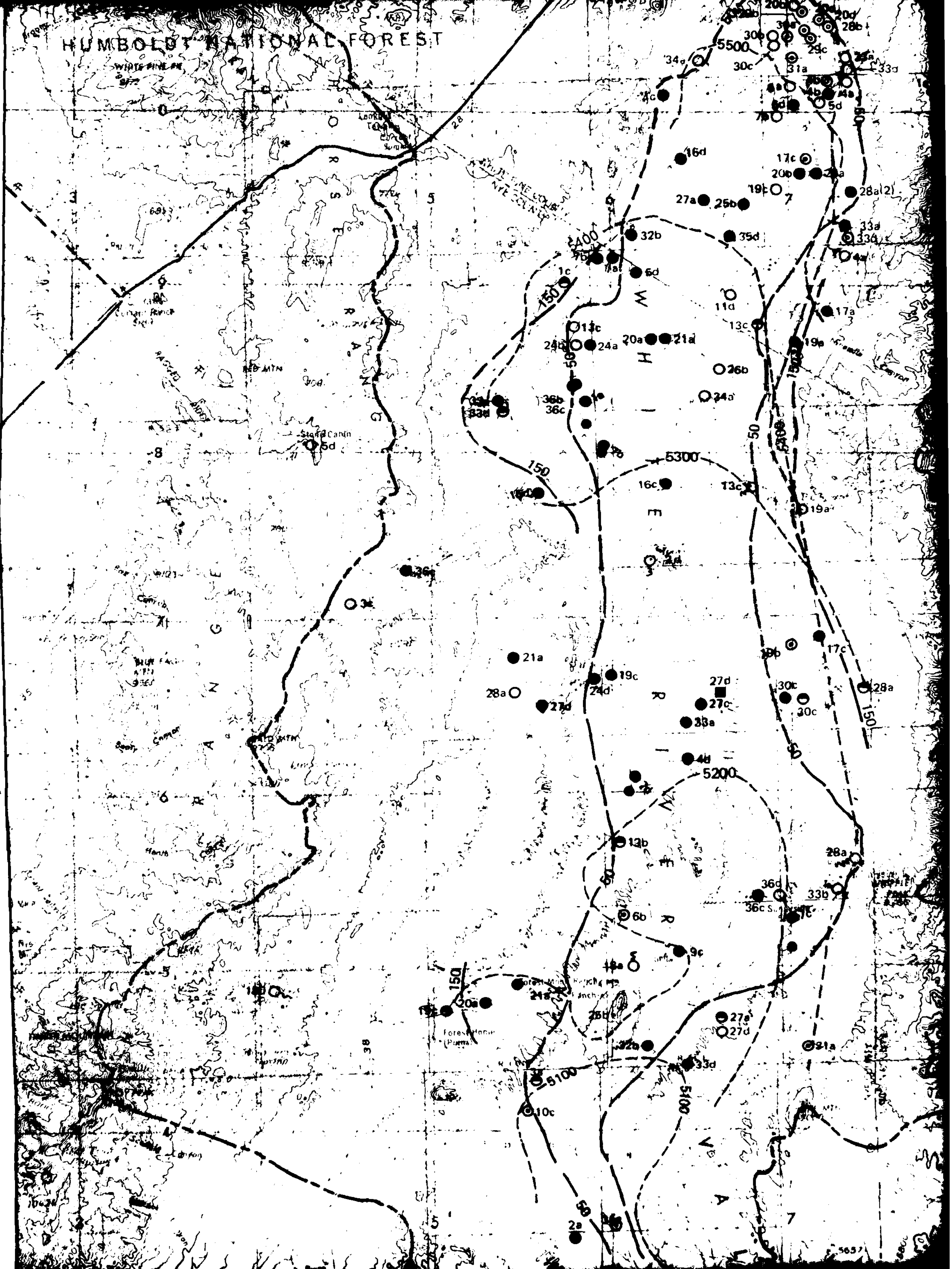


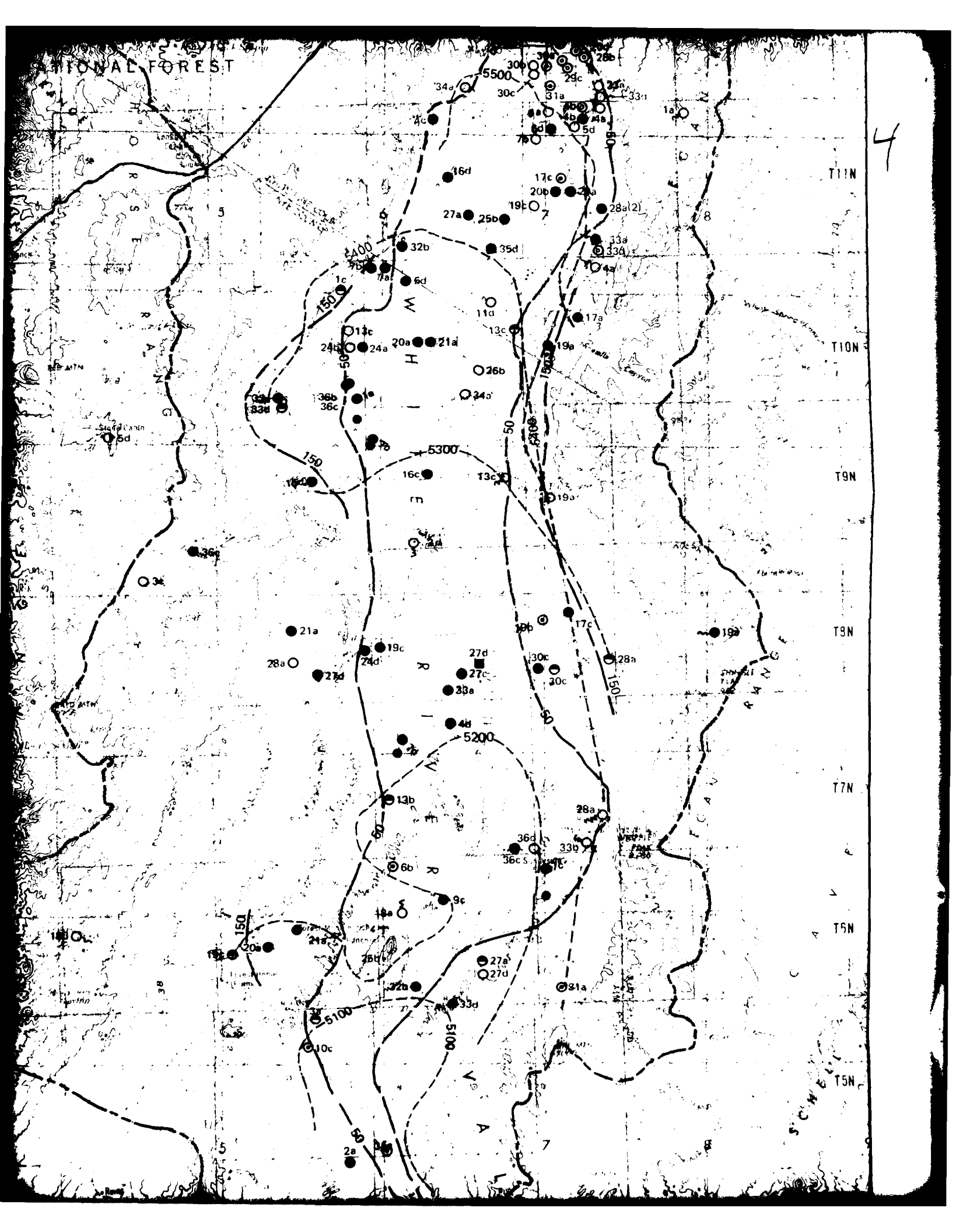
R58E
R59E
R60E
R61E
R62E
WHITE
PINE
JAKES
VALLEY
MOKOMOKE MTS
4
5
6
HUMBOLDT NATIONAL FOREST
RANGE
BALD MTN
BLACK BUTTE
DUCK WATER PK
RED MOUNTAIN
HUMBOLDT NATIONAL FOREST
5500

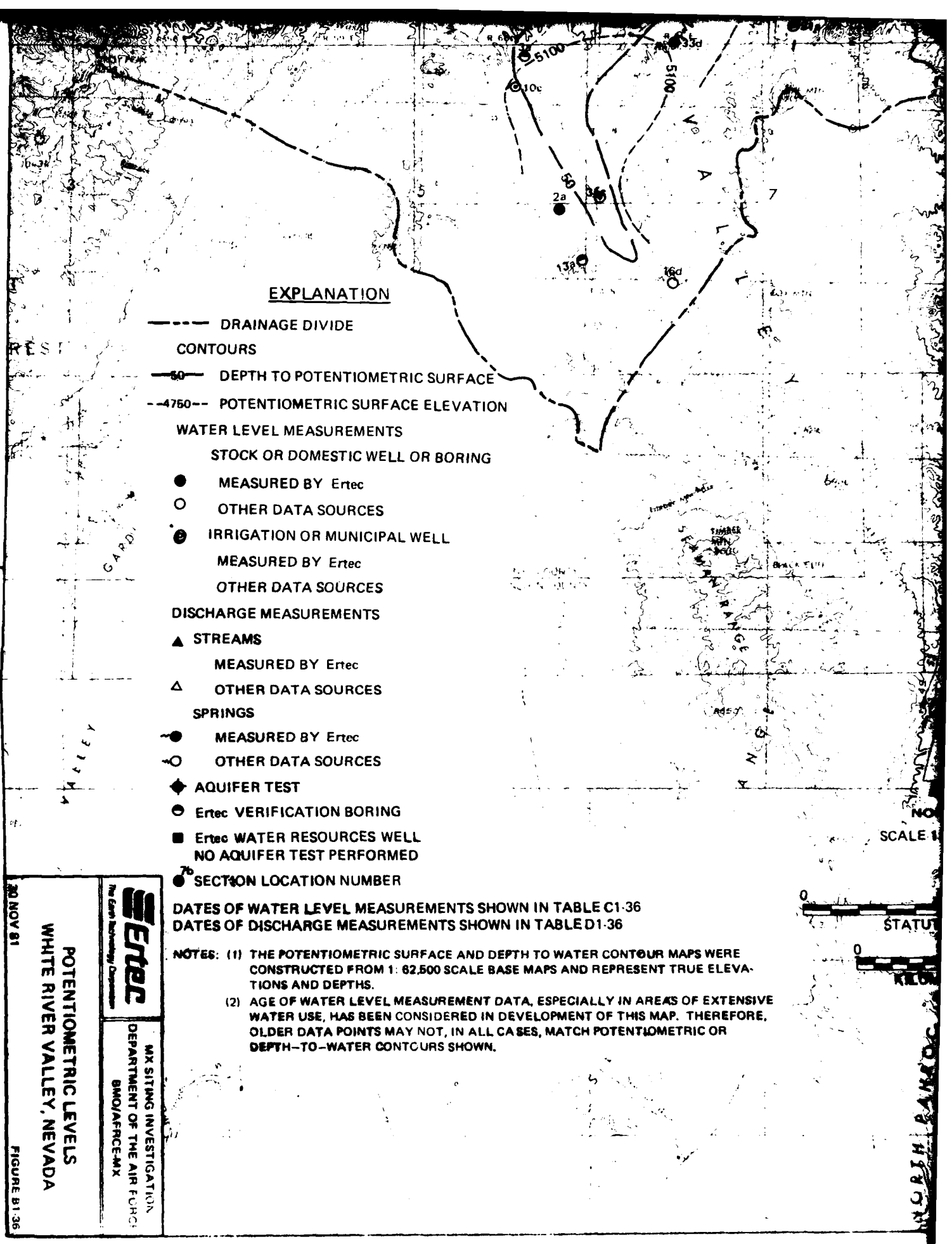

R59E
R60E
R61E
R62E
R63E
T17N
T16N
T15N
T14N
T13N
T12N
T11N
JAKES VALLEY
EGAN RANGE
TIONAL FOREST
HUMBOLDT NATIONAL FOREST
NATIONAL FOREST
BALD MTN
BLACK BUTTE
LIMESTONE PEAK
RED MOUNTAIN
5500

3



HUMBOLDT NATIONAL FOREST
5500
5400
5300
5200
5100
150
50
Stone Cabin
Forest Home
4c
16d
17c
20b
21a
27a
25b
19c
28a(2)
32b
35d
33a
6d
1c
11d
13c
17a
20a
24b
24a
26b
19a
36b
36c
24a
16c
13c
19a
21a
19c
27d
28a
24d
27d
27c
33a
30c
28a
4d
13b
36d
33b
36c
6b
9c
27a
27d
32b
33d
31a
10c
20a
2a


NATIONAL FOREST
T11N
T10N
T9N
T8N
T7N
T6N
T5N
5500
5400
5300
5200
5100
150
50
4



DATES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-36
DATES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-36

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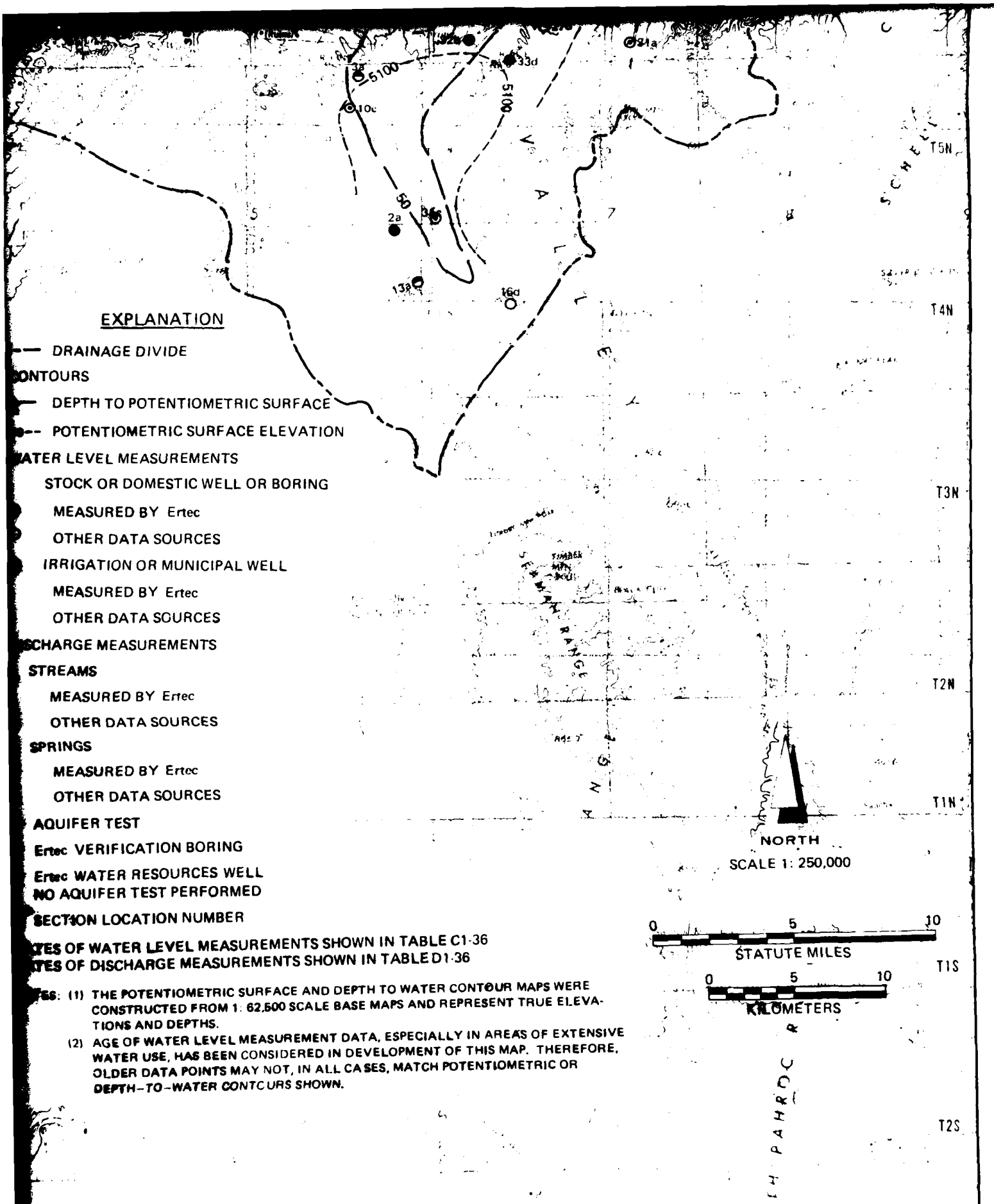
BMO/AFRCE-MX

POTENTIOMETRIC LEVELS
WHITE RIVER VALLEY, NEVADA

30 NOV 81

FIGURE B1-36



EXPLANATION

- DRAINAGE DIVIDE

CONTOURS

- DEPTH TO POTENTIOMETRIC SURFACE
- POTENTIOMETRIC SURFACE ELEVATION

WATER LEVEL MEASUREMENTS

- STOCK OR DOMESTIC WELL OR BORING
  - MEASURED BY Ertec
  - OTHER DATA SOURCES
- IRRIGATION OR MUNICIPAL WELL
  - MEASURED BY Ertec
  - OTHER DATA SOURCES

DISCHARGE MEASUREMENTS

- STREAMS
  - MEASURED BY Ertec
  - OTHER DATA SOURCES
- SPRINGS
  - MEASURED BY Ertec
  - OTHER DATA SOURCES

AQUIFER TEST

Ertec VERIFICATION BORING

Ertec WATER RESOURCES WELL
NO AQUIFER TEST PERFORMED

SECTION LOCATION NUMBER

SITES OF WATER LEVEL MEASUREMENTS SHOWN IN TABLE C1-36
SITES OF DISCHARGE MEASUREMENTS SHOWN IN TABLE D1-36

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